APPENDIX H BIOLOGICAL RESOURCES FORMS

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APPENDIX H1 WETLAND DETERMINATION FORMS

DATA FORM 1 (Revised) Wetland Delineation Manual or 1987 Corps Wetland Delineation Manual) 3-26-01 Reliant Colusa Date: Project/Site: County: Colusa Applicant/owner: CA State: Investigator(s): S. Leach, J. Strad, C. Lu S/T/R: □ No Community ID: ✓ Yes Do normal circumstances exist on the site? ☐ Yes **⋈** No Transect ID: Is the site significantly disturbed (atypical situation)? ∏ No. **⊠** Yes Plot ID: A - 1 Is the area a potential problem area? Explanation of atypical or problem area: Seasonal had only by **VEGETATION** (For *strata, indicate T = tree; S = shrub; H = herb; V = vine) Indicator Dominant Plant Species Indicator *Stratum % cover Dominant Plant Species *Stratum % cover 15% NI H Brossica nisra]-1 5 1/6 NI Geranium disectum 40% FAC Hordeum marinum sspa NT* Н 10% d Senecia vulgaris 5% FAC Medicus polymorpha 14 L %. FAC-Capsella burge pastoris H HYDROPHYTIC VEGETATION INDICATORS: % of dominants OBL, FACW, & FAC: 33°/4 Check all indicators that apply and explain below: ☐ Visual observation of plant species growing in Physiological/reproductive adaptations areas of prolonged inundation/saturation Wetland plant database Morphological adaptations Personal knowledge of regional plant communities Technical Literature Other (explain) Hydrophytic vegetation present? ☐ Yes IX No. Rationale for decision/Remarks: **HYDROLOGY** Water Marks: 🔲 Yes 📝 No Sediment Deposits: Yes K No is it the growing season? 🔀 Yes 🔲 No Drainage Patterns: X Yes No Yes 🔽 No Based on: Soil temp (record temp) Drift Lines: Other (explain) Oxidized Root (live roots) Local Soil Survey: Yes No inches Depth of inundation: Channels <12 in.: Yes No FAC Neutral: ☐ Yes 🗷 No Water-stained Leaves: inches Depth to free water in pit: Yes No Depth to saturated soil: inches Other (explain): Check all that apply & explain below: 3-5" dan indicate Cattle boof prints Stream, lake or gage data scturation. seasonel Aerial photographs Other ☐ Yes X No Wetland hydrology present?

Rationale for decision/remarks:

٠

Taxonomy (subgroup)	·		ries and Phase) :		Drainage Class Field observations confirm mapped type?						
Depth (inches) Horizon (Munsell moist) Mottle colors (Munsell moist) Mottle abundance size and contrast structure, etc. Match description)	Taxonomy	(subgroup	o) 								
Marrix color Munsell moist) Munsell moist) Size and contrast Structure, etc. (match description)	Profile Des	cription				<u>.</u>	Di of anil meetile				
Horizon Indicators Indic							• •				
Hydric Soil Indicators: (check all that apply) Histosol	_,			<u> </u>							
Histosol	0 - 6 +					<u> </u>					
Histosol			<u> </u>				1				
Histosol			_								
Histosol											
Histosol				 	-						
Histosol		<u>L</u>	<u></u>	<u> </u>	<u></u>						
Sulfidic Odor] Histosol		pply)							
Aquic Moisture Regime					☐ High Organ	nic Content in Surface Laye	r of Sandy Soils				
Gleyed or Low-Chroma (=1) matrix ☐ Other (explain in remarks) Hydric soils present? ☐ Yes ☒ No Rationale for decision/Remarks: Wetland Determination Hydrophytic vegetation present? ☐ Yes ☒ No Hydric soils present? ☐ Yes ☒ No Wetland hydrology present? ☐ Yes ☒ No Is the sampling point within a wetland? ☐ Yes ☒ No	_										
Hydric soits present?							_ist				
Rationale for decision/Remarks: Wetland Determination Hydrophytic vegetation present?				···	U Other (exp	lain in remarks)					
Wetland Determination Hydrophytic vegetation present? ☐ Yes ☒ No Hydric soils present? ☐ Yes ☒ No Wetland hydrology present? ☐ Yes ☒ No Is the sampling point within a wetland? ☐ Yes ☒ No	1 -		· —	es 🖭 No							
Hydrophytic vegetation present? ☐ Yes ☑ No Hydric soils present? ☐ Yes ☑ No Wetland hydrology present? ☐ Yes ☑ No Is the sampling point within a wetland? ☐ Yes ☑ No											
Hydric soils present?	Wetland [<u>Determinati</u>	<u>ion</u>								
13 the Barrisman 9 Form	Hydric soi Wetland h	ls present? lydrology pr	esent?	☐ Yes 🔀 I	No No						
				<u> </u>							

DATA FORM 1 (Revised)

Wetland Delineation Manual or 1987 Corps Wetland Delineation Manual) Date: 3/26/61 Deliant Energy Project/Site: County: Colusa Applicant/owner: State: CA Investigator(s): C. Lu, J. Stead, S. Leach S/T/R: ∏ No Do normal circumstances exist on the site? Community ID: A ~2_ **⊠** No Transect ID: ☐ Yes is the site significantly disturbed (atypical situation)? **X** Yes 🗷 No Plot ID: is the area a potential problem area? Explanation of atypical or problem area: avazing area scasonal VEGETATION (For *strata, indicate T = tree; S = shrub; H = herb; V = vine) Dominant Plant Species *Stratum % cover Indicator Dominant Plant Species *Stratum % cover Indicator FAC 85 Hordeum marinum Đ Sole tatos Genetic vulgaris 10 NΊ NL Meli lotus polymorpha Shepard's pursa-pastoris H 75 FAC-NI Geraulum disertum HYDROPHYTIC VEGETATION INDICATORS: % of dominants OBL, FACW, & FAC: 85 Check all indicators that apply and explain below: Physiological/reproductive adaptations ☐ Visual observation of plant species growing in areas of prolonged inundation/saturation Wetland plant database Morphological adaptations Personal knowledge of regional plant communities 🔽 Technical Literature Other (explain) **⊠**Yes ☐ No Hydrophytic vegetation present? Rationale for decision/Remarks: **HYDROLOGY** Sediment Deposits: SYes No Water Marks: 🚜 Yes 🔀 No Is it the growing season? X Yes No ☐ Yes 💢 No Drainage Patterns:

✓ Yes ☐ No Drift Lines: Based on: Soil temp (record temp) Other (explain) ☐ Yes ☐ No Oxidized Root (live roots) Local Soil Survey: Depth of inundation: inches Ø Channels <12 in.: X Yes No Depth to free water in pit: FAC Neutral: Water-stained Leaves: inches ☐ Yes 🛛 No Ø Depth to saturated soil: inches Check all that apply & explain below: Other (explain): The site is at the That coilects water. The title Stream, lake or gage data Cattle hoofprints 3"- 5" deep. Aerial photographs Other 🛛 Yes ∏ No Wetland hydrology present? Rationale for decision/remarks:

SOILS Map Unit I	Name (Seupay Cl	ries and Phase): (cuy (van	·~	Drainage Class Field observations confirm mapped type? Yes No							
Profile Des		7 0-19105	supe								
Depth (inches)	Horizon	Matrix color (Munsell moist)	Mottle colors (Munsell moist)	Mottle abundance size and contrast	Texture, concretions, structure, etc.	Drawing of soil profile (match description)					
12"	A	104 3/2			oridized most cl						
1 -	_	s: (check all that a	oply)								
_] Histosol] Histic Epip	aedon		∐ Matrix chroi ☐ Mg or Fe C	ma ≤ 2 with mottles						
1] Sulfidic Co				iic Content in Surface Layer	of Sandy Soils					
_	_	sture Regime			eaking in Sandy Soils	•					
	Reducing			☐ Listed on N	ational/Local Hydric Soils L	ist					
	Gleyed or	Low-Chroma (=1)	matrix	Other (expl	ain in remarks)						
Hydric so	ils present?	? □ Y	es K∏No								
Rationale 1	for decision/	Remarks:									
Wetland D	Determination	on_									
		_									
1	ic vegetation	n present?	∏XYes (28 N ☐ Yes [X]N								
*	s present?	eant?	☐ Yes ☑ N								
	Wetland hydrology present? Yes No Is the sampling point within a wetland? Yes No										
	/Remarks:	The frequency	<u></u>								
	· · · · · · · · · · · · · · · · · · ·	-									

DATA FORM 1 (Revised)

Wetland Delineation Manual or 1987 Corps Wetland Delineation Manual)

Project/Site: Rellant	- Colus	4			Date: 3-26-0 \				
Applicant/owner:	Applicant/owner:								
Investigator(s): S. lead	L , J. S		State: cA						
	· · · · · · · · · · · · · · · · · · ·		S/T/R:						
Do normal circumstances	exist on the	site?	₹,	Yes 🗌 No	Corr	nmunity ID:			
Is the site significantly dist	urbed (atypi	cal situation	n)? 🔲 '	Yes 🗷 No		sect ID:			
Is the area a potential prob			. ⊠`		Plot	ID: 8-1			
Explanation of atypical or				· · · · · · · · · · · · · · · · · · ·					
VEGETATION (For *strat									
Dominant Plant Species	*Stratum	% cover	Indicator	Dominant Plant Spec	ies	*Stratum	% cover	Indicator	
Hordeum Marinum	₩.	70%	FAC	 					
Lepidium nitidum	Ц	3%	NI				ļ		
Cerastiv-	₽	5 %	FAC	<u></u>					
Planta, - elong -tu	H	3%	FACW						
<u> </u>									
								<u> </u>	
HYDROPHYTIC VEGETA	L	ATORS:		J				<u> </u>	
% of dominants OBL, FAC									
Check all indicators that a				siological/reproductive	adan	tations			
areas of prolonged inui				tland plant database	auap	tations			
Morphological adaptat				sonal knowledge of reg	ional	plant comm	nunities		
Technical Literature				er (explain)	,	P			
Hydrophytic vegetation	orecent?	Y es	No						
Rationale for decision/Ren		<u> </u>	□ 140						
1			 		·				
HYDROLOGY	L L	- , [T				
Is it the growing season?	⊻ Yes [_ No	Water Mar	ks: ☐ Yes 🗷 No	Sec	diment Depo	osits: ∐ Y	es 💌 No	
			on		 				
Based on: Soil temp		0)	Drift Lines:	: ☐ Yes 🗷 No	Dra	ainage Patte	erns: 🔼 Y	es ∐ No	
Other (exp	•	inah	0) = 4 (0) = -4 · 4 · 1	+,	1.0-".0	🗀	/+- [] k1-	
Depth of inundation: 100	ne	inches		Root (live roots) <12in.: ☐ Yes ☐ No	Loc	al Soil Sur	/ey: ∐ Y	′es ☐ No	
Depth to free water in pit:		inches	FAC Neutr		10/-	iter-stained	l naven:	·····	
Depth to free water in pit.		11/01/62	FAC Neutr	al: ∐Yes ⊠No	***	uer-stamed		es 🔀 No	
Depth to saturated soil:		inches							
Check all that apply & exp	lain below:		Other (exp	lain):					
Stream, lake or gage of	data								
Aerial photographs									
☐ Other									
Wetland hydrology pres	ent?	Yes	⊠ No	1		1		.L	
Rationale for decision/rem	narks: 54,	aple poi	in is l	ocated in 5	·Kall	w, low	grisher	n t	
		Swale	•						

d

	Name (Ser	ies and Phase) :		-	Drainage Class Field observations confirm mapped type? ☐ Yes ☐ No					
Profile Des	cription				<u> </u>					
Depth (inches)	Horizon	Matrix color (Munsell moist)	Mottle colors (Munsell moist)	Mottle abundance size and contrast	Texture, concretions, structure, etc.	Drawing of soil profile (match description)				
0-9"+	A	10 YR 2/2	None	none	silty - clay					
						_				
		<u> </u>		:	<u> </u>	_				
		1				_				
			i							
1 -		: (check all that a	oply)	_		•				
. –] Histosol			<u> </u>	ma ≤ 2 with mottles					
] Histic Epip] Sulfidic Od			☐ Mg or Fe Co	oncretions ic Content in Surface Layer	of Sandy Soils				
	-	iture Regime			eaking in Sandy Soils	or bandy don't				
	Reducing				ational/Local Hydric Soils Li	ist				
	-	Low-Chroma (=1) i	natrix		ain in remarks)					
Hydric soi	ls present?	□ Ye	es 🗹 No							
Rationale f	or decision/l	Remarks:				_4				
Wetland D	eterminatio	<u>ın</u>			•					
Hudrock *	a vagatation	procept?	77 Yes □ N	n						
	Hydrophytic vegetation present? ☐ Yes ☐ No Hydric soils present? ☐ Yes ☐ No									
1 -	Wetland hydrology present? □ Yes ☑ No									
1	Is the sampling point within a wetland? ☐ Yes ☑ No									
Rationale/	Remarks:				•					

DATA FORM 1 (Revised) Wetland Delineation Manual or 1987 Corps Wetland Delineation Manual) Coluga - reliant Project/Site: County: Colusa Applicant/owner: State: CA Investigator(s): S. Lent, C. Lu, J. Steyd S/T/R: Yes ☐ No Community ID: Do normal circumstances exist on the site? Transect ID: Yes **▼** No Is the site significantly disturbed (atypical situation)? Plot ID: 13-2 ✓ Yes □No is the area a potential problem area? sens. hydrolygy Explanation of atypical or problem area: **VEGETATION** (For *strata, indicate T = tree; S = shrub; H = herb; V = vine) Indicator Dominant Plant Species *Stratum % cover Indicator Dominant Plant Species *Stratum % cover **5**07 FAC Hordeum Marinum 301. NL 1980% Sentatio Vulgaris NL W HYDROPHYTIC VEGETATION INDICATORS: 50 % of dominants OBL, FACW, & FAC: Check all indicators that apply and explain below: ☐ Visual observation of plant species growing in Physiological/reproductive adaptations areas of prolonged inundation/saturation Metland plant database Morphological adaptations Personal knowledge of regional plant communities Technical Literature Other (explain) X Yes □ No Hydrophytic vegetation present? Rationale for decision/Remarks: **HYDROLOGY** Sediment Deposits: ☐ Yes 📈 No Water Marks: ☐ Yes 🛣 No Is it the growing season? X Yes ∏ No Yes No. Drainage Patterns: 🔀 Yes 🔲 No Based on: Soil temp (record temp) Drift Lines: Other (explain) ☐ Yes ☐ No Oxidized Root (live roots) Local Soil Survey: Depth of inundation: inches Channels <12 in: ☐ Yes ☐ No Ø Yes No Water-stained Leaves: FAC Neutral: Depth to free water in pit: inches ☐ Yes 🔼 No inches Depth to saturated soil: Other (explain): Slight depression, hoof prints 2-3" Check all that apply & explain below: Stream, lake or gage data Aerial photographs ☐ Other X Yes ☐ No Wetland hydrology present?

Rationale for decision/remarks:

	Name (Ser	ries and Phase) :		Drainage Class Field observations confirm mapped type? Yes No					
Profile Des	cription]				ı			
Depth	•	Matrix color	Mottle colors	Mottle abundance	Texture, concretions,	Drawing of soil profile			
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size and contrast	structure, etc.	(match description)			
0-6"	A	10 YR 3/2	none		silty clay				
-					· · · · · · · · · · · · · · · · · · ·	-			
					<u> </u>				
			<u> </u>			-			
Hydric Soi	l Indicators	: (check all that a	oply)						
_] Histosol			☐ Matrix chron	na ≤ 2 with mottles				
] Histic Epip			☐ Mg or Fe Co					
] Sulfidic Od				c Content in Surface Layer	of Sandy Soils			
	•	ture Regime			eaking in Sandy Soils				
] Reducing (ational/Local Hydric Soils Lis	st			
	· · ·	Low-Chroma (=1) r		Other (expla	in in remarks)				
	is present?	_	es 🗹 No						
Rationale for	or decision/f	Remarks:							
Wetland D	eterminatio	<u>•n</u>							
:									
	c vegetation	present?	⊠ Yes 🔲 No						
1 -	Hydric soils present?								
-	Wetland hydrology present? ☑ Yes □ No								
		ithin a wetland?	☐ Yes 🔀 No						
Rationale/	Remarks:	The soils	aren't hydri	c + the urget	ation + hydrology	is marginal.			

DATA FORM 1 (Revised)

Wetland Delineation Manual or 1987 Corps Wetland Delineation Manual)

Project/Site: Relian.	Da	Date: 3-26-61									
Applicant/owner:	Co	County: Calusa									
Investigator(s):		Sta	ate: cA								
		S/	S/T/R:								
Do normal circumstances	exist on the	site?	E	Yes 🗌 No	Co	mmunity ID:					
ls the site significantly disturbed (atypical situation)? ☐ Yes ☑️No Transect ID:											
1	Is the area a potential problem area? Plot ID: B - 3										
Explanation of atypical or		-		hydrology							
VEGETATION (For *strat				•		+0.	24				
Dominant Plant Species	*Stratum	% cover	Indicator N]	Dominant Plant S	pecies	*Stratum	% cover	Indicator			
Bromus mallis	H	70%				ļ		. ,			
teridium netidum	14	30%.	NT			<u> </u>	<u> </u>	<u> </u>			
Plantago elongate	f-t	57.	FACN			<u> </u>	<u> </u>				
Medicago polymorpha	Н	3%	NI								
Senoci. vulgaris	14	17.	NT								
Leindiva latines	H	1%	OBL	†							
HYDROPHYTIC VEGETA	TION INDIC	ATORS:									
% of dominants OBL, FAC	W, & FAC:										
Check all indicators that a	pply and exp	alain below:									
☐ Visual observation of p			n 🗌 Phy	siological/reproduc	tive ada	ptations					
areas of prolonged inu		ration	☐ We	lland plant database	е						
Morphological adaptat	ions			sonal knowledge of	regiona	al plant comm	nunities				
Technical Literature			☐ Oth	er (explain)							
Hydrophytic vegetation	present?	Yes	⋈ No								
Rationale for decision/Ren	narks:										
HYDROLOGY											
is it the growing season?	🔀 Yes 🛭] No	Water Mar	ks: ☐ Yes 🛂 N	o s	ediment Dep	osits: 🔲 Y	es 🗹 No			
		-	on								
Based on: Soil temp	(record temp	o)	Drift Lines:	Yes 🗷 N	。 D	rainage Patte	erns: 🔲 Y	es 🗹 No			
Other (exp						<u>-</u>					
Depth of inundation: N	ره <i>بعد</i>	inches	Oxidized F	Root (live roots)	L	ocal Soil Sun	vey: 🔲 Y	es 🛂 No			
			Channels -	<12 in.: 🗌 Yes 🗷 No							
Depth to free water in pit:	Nrve	inches	FAC Neutr	al: 🗌 Yes 🔽	No N	ater-stained		oo [□N]-			
Depth to saturated soil:	none	inches					Y	es 🗌 No			
Check all that apply & exp	lain below:		Other (exp	lain):							
Stream, lake or gage	data										
Aerial photographs											
Other											
Wetland hydrology pres		Yes	🗷 No								
Rationale for decision/rem	narks:										
1											

SOILS					·						
Map Unit I 	Name (Sei	ries and Phase) :		Drainage Class Field observations confirm mapped type? Yes No							
Taxonomy	(subgroup	p)		Field observ	vations confirm mapped t	ype: Tes Tivo					
Profile Des		1				ļ					
Depth	cription	Matrix color	Mottle colors	Mottle abundance	Mottle abundance Texture, concretions, Drawing of s						
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size and contrast	structure, etc.	(match description)					
0-54	A	10 YR 3/2	nove		silty tom						
,						1					
						-					
Hydric Soi	l Indicators	: (check all that ap	eniv)	<u> </u>		<u> </u>					
1 -	Histosol	· (onoon all mar ap	,,	☐ Matrix chron	na ≤ 2 with mottles						
	Histic Epip	edon		☐ Mg or Fe Co	oncretions						
_	Sulfidic Od			-	c Content in Surface Layer	of Sandy Soils					
	-	ture Regime		Organic Streaking in Sandy Soils							
1	Reducing (ational/Local Hydric Soils Lis	st .					
	-	Low-Chroma (=1) r		Other (expla	in in remarks)						
1 -	ls present? or decision/l		s 🔀 No								
Welland D	<u>eterminatio</u>	<u></u>									
Hydrophytic	c vegetation	present?	Yes 🗷 No	5							
Hydric soils	present?		Yes 🔀 No	o							
Wetland hy	drology pres	sent?	☐ Yes 🔣 No	o							
	is the sampling point within a wetland?										
Rationale/	Remarks:										

DATA FORM 1 (Revised)

Wetland Delineation Manual or 1987 Corps Wetland Delineation Manual)

Project/Site: (6/4/4 - 1	Relian	-				Date:	3-2	6-01			
Applicant/owner:					1	County:	Coli	154			
• •	Investigator(s): S. Leach, J. Stead, C. Lu. State: cA										
				-··-		S/T/R:					
Do normal circumstances ex	ist on the	site?	\boxtimes		1	Commu	•				
Is the site significantly distur	bed (atypic	cal situation	n)? 🔲 ነ	∕es 🔀 No	1	Transec					
Is the area a potential proble	em area?		□ <i>'</i>	∕es 🔀 No	0	Plot ID:	C - 1				
Explanation of atypical or pr											
VEGETATION (For *strata											
	*Stratum	% cover	Indicator	Dominant Pl	lant Speci	es *Si	ratum	% cover	Indicator		
Lolium multiflorum	<u>H</u>	90 %.	FAC						<u> </u>		
Plagiobothrys stipita	tus H	5 %	ORL						ļ		
Veranica peressina	H	1%	OBL					<u> </u>			
554. × 66 pansi	v	•			•				1		
·											
		 									
HYDROPHYTIC VEGETAT	ION INDIC	ATORS:		ł				L	<u></u>		
% of dominants OBL, FACV			1								
Check all indicators that app											
☐ Visual observation of pla	-			siological/rep	roductive	adaptatio	ons				
areas of prolonged inunc	dation/satu	ration		lland plant dat		,					
☐ Morphological adaptation	ns		Per	sonal knowled	dge of reg	jional pla	nt comm	nunities			
☐ Technical Literature			☐ Oth	er (explain)							
Hydrophytic vegetation pr	esent?	Yes	∏No								
Rationale for decision/Rema		٠٠٥٠ لييا									
									· · · · ·		
HYDROLOGY	EELVaa E	□Na	Water Mar	ks: 🔀 Yes	□ No	Sodim	ont Dan	osits: 🗹 Y	es □ No		
Is it the growing season?	Yes [J No	on	KS. KS.	L] NO	Sedin	eur Deb	Osits, <u>Ka</u> i	63 1.40		
	والمستميد	~ \	ļ			Droing	na Potta	erns: 🔼 Y	es □No		
Based on: Soil temp (r		P)	Drift Lines	: Yes	<u>▼</u> 110	Draina	ye ralle	əniə. 🔁 I			
Depth of inundation: Nov		inches	Oxidized F	Root (live roots	s)	Local	Soil Sun	vey:	∕es ∐ No		
				<12 in.: 🗷 Yes							
Depth to free water in pit:	hone	inches	FAC Neut	al: 🗷 Yes	i ∐ No	Water	stained	Leaves:			
	1							∐Y	′es 😾 No		
Depth to saturated soil: 7	14"	inches						1 1	· · ·		
Check all that apply & expla			Other (exp	olain): receu print still	itly so	4 + 12+2+	ca d 	cep ho	1 - 1 10 -		
Stream, lake or gage da	ata			privi	z an	ا م د	Jack	t jaur	na uta nchracal		
Aerial photographs				5+111	prese m	T - 5	en ;	cara	U) 11 MUUT		
Other			<u> </u>	Cara	paces	UN 54	1 2 00				
Wetland hydrology prese	nt?	∠ Yes	☐ No								
Rationale for decision/rema	ırks:										

SOILS Map Unit Name (Series and Phase): Drainage Class										
Taxonomy	y (subgrou	p)		Field observ	ations confirm mapped	type? ☐ Yes ☐ No				
Profile Des	scription			yr						
Depth		Matrix color	Mottle colors	Mottle abundance	Texture, concretions,	Drawing of soil profile				
(inches)	Horizon	(Munseil moist)	(Munsell moist)	size and contrast	structure, etc.	(match description)				
0-5"	A	104x 41	10 YR 5/6	15%, Pargel	silty loan					
5-12"+	B	10 YK 4/4	No m		silty loan					

					· · · · · · · · · · · · · · · · · · ·					
Hydric Soi	il Indicators	s: (check all that ap	pplv)	<u> </u>						
	Histosol	(-1-27	✓ Matrix chrom	na ≤ 2 with mottles					
Ī — Ē	Histic Epip	edon		☐ Mg or Fe Co	· · · · · · · · · · · · · · · · · · ·	•				
	Sulfidic O	dor		-	Content in Surface Layer	of Sandy Soils				
] Aquic M <u>oi</u>	sture Regime			aking in Sandy Soils	·				
	Reducing	Conditions		Listed on Na	tional/Local Hydric Soils Li	ist				
		Low-Chroma (=1) r	natrix	Other (expla	in in remarks)					
I -	ls present?	-	s 🗌 No							
Rationale f	or decision/	Remarks:								
Wetland D	eterminatio	<u>on</u>								
Hydrophyti	c vegetation	n present?	⊠ Yes □ No	0						
Hydric soils	-		∠ Yes No	5						
Wetland hy	Wetland hydrology present? ☐ No									
Is the same	Is the sampling point within a wetland? Z Yes No									
Rationale/	Remarks:									

DATA FORM 1 (Revised)

Wetland Delineation Manual or 1987 Corps Wetland Delineation Manual)

Project/Site: Relian	+ - Coli	u Sa				Date: 3-26-01				
Applicant/owner:	Applicant/owner:									
Investigator(s): S. Leach, J. Mend, C. Cu State: CA										
, (2)	S/T/R:									
Do normal circumstances exist on the site?										
Is the site significantly dist	urbed (atypi	cal situatior	n)? 🔲 Y	Yes 🔀 No	,	Tra	nsect ID:			
Is the area a potential prob	lem area?		🗌 Yes 🗷 No				HD: C-	2_		
Explanation of atypical or p	problem are	a:								
VEGETATION (For *strat										
Dominant Plant Species	*Stratum	% cover	Indicator	Dominant Pla	ant Spec	ies	*Stratum	% cover	Indicator	
Lepidium nitidum	Н	40%	NI							
Plantage clougate	Ŧ	25%	FACW							
Lolium multiflorum	H	5%	FAC							
Medicago polymorpha	H	2 %	NI						<u></u>	
Hordenn Marinum	14	2%	FAC							
]	
HYDROPHYTIC VEGETA	TION INDIC	ATORS:	1					<u> </u>	1	
 % of dominants OBL, FAC	W, & FAC:	50%								
Check all indicators that ap		, ,								
☐ Visual observation of p				siological/repr	oductive	adaj	ptations			
areas of prolonged inui			-	tland plant data						
☐ Morphological adaptat	ions		Per	sonal knowled	ge of reg	jiona	l plant comm	nunities		
Technical Literature			☐ Oth	er (explain)						
Hydrophytic vegetation (oresent?	Yes	⋈ No	···						
Rationale for decision/Ren		וגמופיו		integ u	10 m		a occup	es in e	ر راليم	
HYDROLOGY		<u>.~.</u>			• 1	7 ~ `		امِي	GH V S	
Is it the growing season?	∀ Ves F	□No I	Water Mar	ks: Yes	I Z Î No	Se	ediment Dep	nsits: Y	es 🗷 No	
To it the growing season:	□ ,∪₀ [⊒ · • ∨	on		۱۹۷ یکن		- aom Dop	ا بي ۵۰۰۰۰		
Based on: Soil temp	(record tem	n)	Drift Lines:	: Yes	 ₩ No	 	ainage Patte	arns. 🗆 V	es 📝 No	
Differ (exp	-	۲)	Dint Cires.	. ∟,50	INO FEE	"	amaye ratte	51113. LJ I	CO ES 140	
Depth of inundation: no		inches	Oxidized F	Root (live roots)	Lo	cal Soil Sun	/ev: TY	′es 🏲 No	
	- 			<12 in.: 12 in es				. ت ۰,۰		
Depth to free water in pit:	> 7 "	inches	FAC Neuti		⋉ No	W	ater-stained	Leaves:		
	• •			_	***********			□ Y	es 🗷 No	
Depth to saturated soil:	> 3"	inches				_L				
Check all that apply & exp			Other (exp	olain): Sam	-				g hein Add a	
Stream, lake or gage of	data				ration I py		hen C-	1. Ca Shellor		
Aerial photographs				ס טיץ	, P¥	(P. T.)	, uvt) H & Il o v	~ .	
Other			<u> </u>							
Wetland hydrology pres		Yes	≰ No							
Rationale for decision/rem	narks:									

`

SOILS										
Map Unit Name (Series	and Phase):		Drainage Cla		uno? [] Voc [] No					
Taxonomy (subgroup)			Fleid Observa	ations confirm mapped t	ype: Ties Tildo					
Profile Description										
Depth M	latrix color	Mottle colors	Mottle abundance	Texture, concretions,	Drawing of soil profile					
(inches) Horizon (N	Munsell moist)	structure, etc.	(<u>match description</u>)							
0-3"+ A 11	04M 4/2	N+ne		filty loan						
Hydric Soil Indicators: (c	check all that ar	noly)	<u> </u>							
☐ Histosol	check all that ap	opiy)	☐ Matrix chrom	na ≤ 2 with mottles	:					
☐ Histic Epipedo	on		☐ Mg or Fe Co		1					
Sulfidic Odor			🔲 High Organio	Content in Surface Layer	of Sandy Soils					
☐ Aquic Moisture				aking in Sandy Soils						
Reducing Con				tional/Local Hydric Soils Lis	st					
☐ Gleyed or Low			Other (explain	in in remarks)						
Hydric soils present? Rationale for decision/Rem	∏ Ye	s 🔼 No								
	naiks.									
Wetland Determination										
l Hydrophytic vegetation pre	esent?	☐ Yes 🗷 No	0							
Hydric soils present?										
· '	Wetland hydrology present? ☐ Yes ☑ No									
Is the sampling point within	s the sampling point within a wetland? 🔲 Yes 🔀 No									
Rationale/Remarks:										

DATA FORM 1 (Revised)

Wetland Delineation Manual or 1987 Corps Wetland Delineation Manual)

Project/Site: Reliant - Colusa 5	1+			-T	Date: 3-26-01					
Applicant/owner:					County:					
Investigator(s): Z. Lu, S. Lea	<u>د</u> لم				Stat	e:				
					S/T/R:					
Do normal circumstances exist on the site?		⊠ Y	′es 🗌 No		Con	nmunity ID:				
Is the site significantly disturbed (atypical sit	uation)	? 🔲 Y	′es 🛂 No		Trai	nsect ID:				
Is the area a potential problem area?		🖼 Yes 🔲 No				Plot ID: D-1				
Explanation of atypical or problem area:	Sca	s. hy	اووهاما	<u> </u>						
VEGETATION (For *strata, indicate T = tre	e; S =	shrub; H =	herb; V = vine)							
		Indicator	Dominant Plant	Speci	es	*Stratum	% cover	Indicator		
Bromus mollis H B	0 %	7 T								
Plantago clongata H 3	5 %	FACH								
	1/,	N D						- 		
Erodium Moschatum H 5	7.	NI								
-										
		:								
HYDROPHYTIC VEGETATION INDICATO	 RS:					<u> </u>				
% of dominants OBL, FACW, & FAC: 5	7,									
Check all indicators that apply and explain t	elow:									
☐ Visual observation of plant species grow		□ Phv	siological/reprodu	ıctive	adar	otations				
areas of prolonged inundation/saturation			land plant databa							
Morphological adaptations			sonal knowledge (ional	plant comm	unities			
▼ Technical Literature			er (explain)	Ū		`				
Hydrophytic vegetation present?		⋈ No								
Hydrophytic vegetation present?	163	K 140								
						· · · · · · · · · · · · · · · · · · ·	 .			
HYDROLOGY	Г.				Ι_			<u></u>		
Is it the growing season? 🔽 Yes 🗌 No	1	Water Mar	ks: 🗌 Yes 🗷	No	Se	diment Depo	osits: [] Y	es 🗷 No		
	<u> </u>	on			ļ			<u> </u>		
Based on: Soil temp (record temp)		Drift Lines:	🗌 Yes 🗷	No	Dr	ainage Patte	erns: 🔀 Y	es 🗌 No		
Other (explain)					-					
Depth of inundation: No No inch			loot (live roots)		Lo	cal Soil Surv	/ey: ∐Y	es 🔃 No		
	_		<12in: ☐ Yes 🗷		 					
Depth to free water in pit: > 3" inch	ies	FAC Neutr	al: 🗌 Yes 🗷	<u>e</u> l No	W	ater-stained		es 🗷 No		
Depth to saturated soil: > 3 " inch	ies						<u>'</u>			
Check all that apply & explain below:		Other (exp	lain): Many		h.c	llow h	oof pri	n+3		
Stream, lake or gage data		()	•		•		1	-		
Aerial photographs										
Other										
Wetland hydrology present?	<u></u>	₹ No								
Rationale for decision/remarks:	1	٧								
nanonale for decision/remains.										

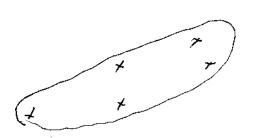
	Name (Ser /(subgroup	ies and Phase) :		Drainage C Field obsen	lass vations confirm mapped t	type? ☐ Yes ☐ No				
Profile Des	scription									
Depth		Matrix color	Mottle colors	Mottle abundance	Texture, concretions,	Drawing of soil profile				
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size and contrast	structure, etc.	(match description)				
6-3"+	8-3 A	10143/2	None		silty - day					
						j				
		•								
						1				
			•			1				
Hydric Soi	I Indicators:	: (check all that a	pply)		1					
1] Histosol			☐ Matrix chror	na ≤ 2 with mottles					
] Histic Epipe	edon		☐ Mg or Fe Co	oncretions					
] Sulfidic Ode	or		☐ High Organic Content in Surface Layer of Sandy Soils						
] Aquic M <u>oi</u> s	-		Organic Str	eaking in Sandy Soils					
] Reducing C				ational/Local Hydric Soils Li	st				
		ow-Chroma (=1)		Other (expla	ain in remarks)					
1 '	ls present?		es 🔀 No							
Rationale f	or decision/F	Remarks:								
Wetland D	<u>eterminatio</u>	<u>n</u>								
Hydrophyti	c vegetation	present?	∐ Yes 🕍 N	0						
Hydric soils	-		☐ Yes 💆 N	0						
1 -	drology pres	sent?	☐ Yes 🔀 Ni							
Is the sam	oling point wi	thin a wetland?	☐ Yes 💆 N	0						
Rationale/	Remarks:				·					

DATA FORM 1 (Revised)

Wetland Delineation Manual or 1987 Corps Wetland Delineation Manual)

Pro	oject/Site: Reliant	_ 601,			· · · ·		Date:	3-2	4		
An	plicant/owner:						Coun	ty: Colo	· 5 ~		
1 '	restigator(s): C. \u.,	5. 1	e la				State	•	-		
IIIV	restigator(s). C. La ;	, ,	***				S/T/F	₹:			
Do	normal circumstances ex	ist on the s	site?		es 🔲 No)	Com	munity ID:			
ls t	the site significantly distur	bed (atypic	al situation)? 🔲 Y	′es 🗷 No	,	Transect ID:				
	the area a potential proble				′es 🔽 No	,	Plot ID: D-2				
Ex	planation of atypical or pr	oblem area	ì:								
VE	GETATION (For *strata	, indicate T	= tree; S =	shrub; H =	herb; V = vin	e)					
Do	ominant Plant Species	*Stratum	% cover	Indicator	Dominant Pla	ant Speci	es	*Stratum	% cover	Indicator	
L	lium multiflorum	1+	80%	FAC							
Li	mhanthes douglasii	H	15%	OBL				·			
P	aginbathrys stipite	ts H	5 %。	036							
m	edicago polymorale	. Н	2 1/3	NE							
le	pidium nitidum	Н	1%	NI							
Н	POROPHYTIC VEGETAT	ION INDIC	ATORS:						·		
%	of dominants OBL, FACV	V, & FAC:	100%.								
	neck all indicators that app										
	Visual observation of pla	-			siological/repr	roductive	adapt	ations			
	areas of prolonged inunc			•	land plant dat	abase					
	Morphological adaptatio	ns		Pers	sonal knowled	lge of reg	ional _l	plant comm	nunities		
	Technical Literature			☐ Oth	er (explain)						
Н	ydrophytic vegetation pr	esent?	X Yes	□No							
	ationale for decision/Rema			_							
	VDBOLOGV								<u> </u>		
, —	YDROLOGY it the growing season?	[Z] Yes [¬No [Water Mar	ks: 🗌 Yes	™ No	Sec	liment Deno	osits: Ye	20 NO	
13	it the growing season:	E 163 L	7 140	Mater Mai	140.	<u> </u>	, 000				
				on						23 140	
D.	and on	ogord tomr	,,	On Drift Lines:	Voe		Dra				
Ba	ased on: Soil temp (r		p)	on Drift Lines:	☐ Yes	□No	Dra		erns: 🗗 Ye		
	Other (expla			Drift Lines:				inage Patte	erns: 🗗 Ye	es 🗌 No	
	-		inches	Drift Lines: Oxidized F	loot (live roots	s)			erns: 🗗 Ye	es 🗌 No	
De	Other (explainment) Of inundation:		inches	Drift Lines: Oxidized F	loot (live roots <12 in: 🔀 Yes	s) No	Loc	inage Patte	erns: 含 Ye	es 🗌 No	
De	Other (explain point of inundation: epth to free water in pit:			Oxidized F	loot (live roots <12 in: 🔀 Yes	s)	Loc	inage Patte al Soil Surv	erns: 分 Ye	es 🗌 No	
De De	Other (explainment) epth of inundation: epth to free water in pit: epth to saturated soil:	ain)	inches	Oxidized F Channels FAC Neutr	loot (live roots <12 in: ☑ Yes al: ☑ Yes	i) No No	Loc	inage Patte al Soil Surv ter-stained	erns: 🗗 Ye vey: ☐ Y Leaves: 💌 Ye	es No es No es No	
De De	Other (explain point of inundation: epth to free water in pit: epth to saturated soil: heck all that apply & explain	ain) ain below:	inches	Oxidized F Channels FAC Neutr	loot (live roots <12 in: ☑ Yes al: ☑ Yes	i) No No	Loc	inage Patte al Soil Surv ter-stained	erns: 🗗 Ye vey: ☐ Y Leaves: 💌 Ye	es No es No es No	
De De	Other (explain particular of inundation: epth to free water in pit: epth to saturated soil: heck all that apply & explain particular of the particular of	ain) ain below:	inches	Oxidized F Channels FAC Neutr	loot (live roots <12 in: ☑ Yes al: ☑ Yes	i) No No	Loc	inage Patte al Soil Surv ter-stained	erns: 🗗 Ye vey: ☐ Y Leaves: 💌 Ye	es No es No es No	
De De	Other (explainment) epth of inundation: epth to free water in pit: epth to saturated soil: heck all that apply & explainment Stream, lake or gage datanged. Aerial photographs	ain) ain below:	inches	Oxidized F Channels FAC Neutr	loot (live roots <12 in: ☑ Yes al: ☑ Yes	i) No No	Loc	inage Patte al Soil Surv ter-stained	erns: 🗗 Ye vey: ☐ Y Leaves: 💌 Ye	es No es No es No	
De De	Other (explainment) The point of inundation: The point of the explainment of the explai	ain) ain below: ata	inches inches	Oxidized F Channels FAC Neutr Other (exp	loot (live roots <12 in: 🔀 Yes	i) No No	Loc	inage Patte al Soil Surv ter-stained	erns: 🗗 Ye vey: ☐ Y Leaves: 💌 Ye	es No es No es No	
De De De Ch	Other (explainment) epth of inundation: epth to free water in pit: epth to saturated soil: heck all that apply & explainment Stream, lake or gage datanged. Aerial photographs	ain) ain below: ata	inches	Oxidized F Channels FAC Neutr	loot (live roots <12 in: ☑ Yes al: ☑ Yes	i) No No	Loc	inage Patte al Soil Surv ter-stained	erns: 🗗 Ye vey: ☐ Y Leaves: 💌 Ye	es No es No es No	

SOILS Map Unit I	Name (Ser	ies and Phase) :		Drainage C	Drainage Class					
•	•	•		_	vations confirm mapped t	type? 🗌 Yes 🔲 No				
Taxonomy	/ (subgroup))								
Profile Des	cription									
Depth		Matrix color	Mottle colors	Mottle abundance	Texture, concretions,	Drawing of soil profile				
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size and contrast	structure, etc.	(match description)				
6-6"	A	104x 7/2	phidized phizosphere]				
	 	1			 	†				
						4				
		<u> </u>								
ا م مشامريال		L Johnsk all that a) no(u)	1						
_	i i indicators THistosol	: (check all that ap	Piy)	Matrix chro	ma ≤ 2 with mottles					
] Histic Epipi	edon		∭ Mg or Fe C						
] Sulfidic Od				ic Content in Surface Layer	of Sandy Soils				
. —		sture Regime			reaking in Sandy Soils					
•] Reducing (☐ Listed∞on N	lational/Local Hydric Soils Li	ist				
	Gleyed or I	Low-Chroma (=1) r		Other (expl	ain in remarks)					
	ils present?		es 🗌 No							
Rationale f	or decision/l	Remarks:								
Wetland D	eterminatio	<u>'n</u>								
11										
Hydrophyti Hydric soils	ic vegetation	present?	☑ Yes ☐ No ☑ Yes ☐ No							
1 -	s present <i>r</i> ydrology pre:	sent?	Yes ☐ No							
-		rithin a wetland?	Yes ∐ No							
Rationale/		closed			sof prints					



DATA FORM 1 (Revised)

Wetland Delineation Manual or 1987 Corps Wetland Delineation Manual)

Project/Site: Peliant Energy Applicant/owner: Investigator(s): S. Leach, C. Ln, J. Skad Date: 3/27/01 County: Colusa State: CA S/T/8:										
Applicant/owner:		0 8				Cou	inty: Colo.	sa		
Investigator(s):	ch, C.L	n. T.S	tead			Stat				
				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		S/T/		<u> </u>		
Do normal circumstances			· /2 🔼 /				nmunity ID:	ا ۔ ع		
Is the site significantly dist		cai situatioi	n)? 🔲 \ X \	- 	·~ .		nsect ID:			
Is the area a potential prob		Cont au	. —	- i. e.e.		- Lioi	1D: dvair	mile		
Explanation of atypical or particular to VEGETATION (For *strategy to the strategy to the stra				<i>37 '</i> J	,	<u>-</u>				
Dominant Plant Species	*Stratum	%-cover		Dominant Pl		ies	*Stratum	% cover	Indicator	
Low Parture	И	75	FAC	Centaine				٤/	NL	
Hordeum histrix	it	20	FAC		2 (11412			··································		
Eliochorus macrost	other H	5	064							
CHOCHOLOZ WING ACA	**************************************									
Geranium disectum	#4	<1	N1						<u> </u>	
	/1	<1	NL	<u> </u>						
Capsella bursa pastor		· · · · · · · · · · · · · · · · · · ·	1100					l		
% of dominants OBL, FAC		100								
Check all indicators that a			·							
☐ Visual observation of p	plant species	growing in		siological/repr	oductive	adap	otations			
areas of prolonged inu		ration	☐ Wet	land plant dat	abase					
Morphological adaptat	ions			sonal knowled	lge of reg	ional	plant comm	unities		
Technical Literature			∐ Oth	er (explain)						
Hydrophytic vegetation	present?	☑ Yes	□No							
Rationale for decision/Ren	narks:									
HYDROLOGY										
is it the growing season?	X Yes] No	Water Mar	ks: Tyes	⊠ No	Se	diment Depo	osits: 🔲 Y	es 🛛 No	
			on							
Based on: Soil temp)	Drift Lines:	☐ Yes	X No	Dra	ainage Patte	rns: 🔀 Y	es 🗌 No	
Other (exp	olain)	i.e.a.le.	0.446 1.5			+			/ [""] b.	
Depth of inundation:	Ø	inches		loot (live roots <12 in.: \[\] Yes	. ,	Lo	cal Soil Surv	rey: 🔲 Y	′es ∐ No	
Depth to free water in pit:	ø	inches	FAC Neutr		∑ No TSI No	W:	ater-stained	l eaves:		
Dopin to neo water in pit.	Ø		. AO NOUL	ш. <u>П</u> 163	או ובוע	'''	ate, stallieu		es 🛭 No	
Depth to saturated soil:	Ø	inches								
Check all that apply & exp			Other (exp	lain):						
Stream, lake or gage	data									
Aerial photographs										
Other		Öt 1/2	<u> </u>				<u> </u>	 -		
Wetland hydrology pres Rationale for decision/rem	,	Yes Yes	☐ No							
Hationale for decision/rem	iains.									

SOILS		<u></u>								
Map Unit N	Name (Ser	ies and Phase) :		Drainage Cla						
Taxonomy	(subgroup)		Field observ	ations confirm mapped t	ype? LYes LNo				
Profile Des	cription									
Depth		Matrix color	Mottle colors	Mottle abundance	Texture, concretions,	Drawing of soil profile				
(inches)	Horizon	(Munsell moist)		size and contrast	structure, etc.	(match description)				
15	A	104R 2/1	no mottles							
					, MAIT	-				
		1								
						-				
		<u> </u>	<u></u>							
l -		: (check all that a	ppiy)							
_	Histosol Histosol ⊏aia:	-d			na ≤ 2 with mottles					
	Histic Epipe Sulfidic Od				Mg or Fe Concretions High Organic Content in Surface Layer of Sandy Soils					
. —		ture Regime			eaking in Sandy Soils	of Saricy Solis				
I	Reducing (ational/Local Hydric Soils Li	st				
		_ow-Chroma (=1) i	matrix		in in remarks)					
	s present?				,					
	or decision/F		_							
Wetland D	eterminatio									
		_		-						
Hydrophytic	c vegetation	present?	Yes 🗌 No	0						
Hydric soils	present?		☑ Yes ☐ No	0						
Wetland hy	drology pres	sent?	∭ŽÍYes ⊟No	0						
Is the same	oling point w	ithin a wetland?	Yes □ No	<u> </u>						
Rationale/	Remarks:									

NOTES: Aupland soils are 3/1, so The soils are very similar in value + Chroma. Revised 4/97 This indicator for a wetland may not be many reliable.

smaller drainage channel. This channel is duy but also has a distinct bed +bank. The vegetation does not differ that much from the upland banks

DATA FORM 1 (Revised)

Wetland Delineation Manual or 1987 Corps Wetland Delineation Manual)

Project/Site: Reliant	Every	~~				Dat	e: 3127	101	
Applicant/owner:	•					Cou	inty: Colu.	SA	
Investigator(s): S. Leach	01.	7	1			Stat	te: CA		
3.024	م , C. ۱ـ۲۰ ,	J. STC.				S/T	/R:		
Do normal circumstances e	exist on the s	site?	Z \			Cor	nmunity ID:	E-3	
Is the site significantly distu		al situation					nsect ID:		
Is the area a potential prob			₫,	, ,	0	Plot	IID: draii Cha	rage	
Explanation of atypical or p			(~ ,			Cha	unel.	
VEGETATION (For *strat							_		
Dominant Plant Species	*Stratum	% cover	T	Dominant P	lant Spec	ies	*Stratum	% cover	Indicator
Eliocharis macrostady	a H	·	OBL						
Colium perenne	H.		£AC						
Cenitio vulgaris	H		NL						
Geranium disectum	Н		NL	ļ, <u>-</u>					
Capsella burg-pasto	41> 20		NL						
Bare ground				1					·
HYDROPHYTIC VEGETA	TION INDIC	ATORS:	Buophy	les growin	 9 Om \$1	rfa	ce.		
% of dominants OBL, FAC	W, & FAC:		J. 1 J	J	,		-		
Check all indicators that ap	oply and exp	lain below:	· ·						
☐ Visual observation of p			ı 🗌 Phy	siological/rep	roductive	ada	ptations		
areas of prolonged inur		ration	☐ Wet	tland plant da	tabase				
Morphological adaptati	ons			sonal knowle	dge of reg	jiona	l plant comm	nunities	
Technical Literature			☐ Oth	er (explain)					
Hydrophytic vegetation p	resent?	Yes Yes	☐ No						
Rationale for decision/Ren	narks:								
HYDROLOGY									
Is it the growing season?	√ Yes [] No	Water Mar	ks: 🔲 Yes	TX No	Se	ediment Depo	osits: Y	es 🔼 No
to a mo growing occorr	₩. · · · · ·		on		4		'	_	Τ`
Based on: Soil temp	record temp))	Drift Lines:	: TYes	⊠ No	Dr	rainage Patte	erns: 🛛 Y	es 🔲 No
Other (exp					Ж			<i></i>	_ _
Depth of inundation:		inches	Oxidized F	Root (live root	s)	Lo	cal Soil Surv	/ey: ☐ Y	′es 🗌 No
		!	Channels	<12 in.: 🛛 Yes	: 🗌 No				
Depth to free water in pit:		inches	FAC Neutr	ral: 🔲 Yes	i □ No	w	ater-stained		r ta
Double to the second of the		inohaa						[_] Y	es 🔼 No
Depth to saturated soil:	lain below:	inches	Other (evr				(2 44)		*)=f:
Check all that apply & exp Stream, lake or gage of		!	ant are	olain): powe	اھے۔ سا	ater	(5-4")	, mmcd	ancy
Aerial photographs	4141EX		المحادد	יו אַ טַרר ייניי.	٠.				
Other									
Wetland hydrology pres	ent?	Yes	∐ No						
Rationale for decision/rem	1.4		_						

	•	ries and Phase) :		Drainage C Field obsen	lass vations confirm mapped	type? ☐ Yes ☐ No
laxonom	y (subgrou	p) —				
Profile De	scription	.]		•		·
Depth		Matrix color	Mottle colors	Mottle abundance	Texture, concretions,	Drawing of soil profile
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size and contrast	structure, etc.	(match description)
16	A	10/R 2/1	to 1041-4/3	15% mottling 1 arge + med.		
,				contrast		
		i				
		· · · · · · · · · · · · · · · · · · ·				_
						1
	Histosol Histic Epip Sulfidic Od Aquic Mois Reducing Gleyed or	dor sture Regime Conditions Low-Chroma (=1) I	natrix	☐ Mg or Fe Co☐ High Organ☐ Organic Stro☐ Listed on No	na ≤ 2 with mottles concretions ic Content in Surface Layer eaking in Sandy Soils ational/Local Hydric Soils L ain in remarks)	
1 -	ils present? for decision/		es 🗌 No			
Wetland [Determination	o <u>n</u>				
Hydric soi Wetland h Is the sam	ic vegetation Is present? ydrology pre pling point v /Remarks:		Yes N Yes N Yes N Yes N	o o		

NOTES: wiath of the channel is about 4 feets There are some larger Revised 4/97 ponded areas. Much of the channel is still saturated. There is a clear bed + bank.

1987 Corps Wetland Delineation Manual

Project/Site: Colusa f	·.ρ.		•		D	ate: 4/10/2		
Applicant/owner:					С		ion	
Investigator(s): M Lee	01.				S	ate: CA		
						T/R:		
Do normal circumstances			~	Yes No	- 1	ommunity ID:	1-a	
Is the site significantly dist		cal situation		Yes [∑KNo		ansect ID:		
Is the area a potential prot Explanation of atypical or p		a. / .	ŪŽ.		,	ot ID:		
VEGETATION (For *strat			ormal	hydrolog			 	
Dominant Plant Species	*Stratum	% cover	= snrub, n = Indicator	Dominant Plant S	2nooioe	*Stratum	9/ 0040#	Indianta-
Centaura sdistis	14	70 00101	NL	DOMINANT IAM	species.	Suatum	% cover	Indicator
Bromus mollis	μ		NZ					
Blow wines mollis	Н		FAC					
convolvulus ariensis	+		NL				<u> </u>	
Hordeum morinum	†		NL			<u> </u>		
Hordeum marinum	#		FAC					
HYDROPHYTIC VEGETA	TION INDIC	ATORS:						<u> </u>
% of dominants OBL, FAC	W, & FAC:							
Check all indicators that ap	oply and exp	ain below:						
☐ Visual observation of p	lant species	growing in		siological/reproduc	tive ada	ptations		
areas of prolonged inun		ation		and plant databas				
Morphological adaptati	ons		☐ Pers	onal knowledge of	f regiona	al plant comm	unities	
Technical Literature			☐ Othe	er (explain)·				
Hydrophytic vegetation p		☐ Yes	□ √ No				···	
Rationale for decision/Rem	arks:							
HYDROLOGY								-
Is it the growing season?	☐ Yes 🔽	(No		WETLA	ND HY	DROLOGY IN	DICATORS	3
Based on: Soil temp (•)		Primary Indicato				
Other (expl	ain)			☐ Inun				
Depth of inundation:	ox	inches			ırated in er Markt	Upper 12 Inc	nes	
Depth to free water in pit: Depth to saturated soil:	\mathscr{D}	inches			Lines	•		i
Check all that apply & expla	ain holow	inches			ment D			
Stream, lake or gage da				Drain	nage Pa	tterns in Wetl	ands	
Aerial photographs	ala			Secondary Indica	atore (2	or more Peau	irod\:	
Other						of Channels is		Inches
						ed Leaves		
				· —		ırvey Data		
				I =	-Neutral		- 1	
Wetland hydrology prese	nt?	Vec F	71 No.		ıı (⊏xbis	in in Remarks	s)	
Rationale for decision/rema	urks: மு	ال الحقال	J No	- Th				
	, , , , , , , , , , , , , , , , , , ,	- marko	In large					
								I

A		ries and Phase):			Drainage Cl Field observ	lass vations confirm mapped	Piot ID:
Profile De	scription						
Depth (inches)	Horizon	Matrix color (Munsell moist)	Mottle colors (Munsell moist)		tle abundance and contrast	Texture, concretions, structure, etc.	Drawing of soil profile (match description)
8	A	1045 3/3					
							_
	Histosof Histic Epipe Sulfidic Od Aquic Mois Reducing O	or ture Regime	natrix		☐ Mg or Fe Co☐ High Organic☐ Organic Stre☐ Listed on Na	na ≤ 2 with mottles noretions c Content in Surface Layer aking in Sandy Soils tional/Local Hydric Soils Lis	-
Rationale fo	or decision/F eterminatio	Remarks: No	thyand hyd	nc	indicators		
Hydric soils Wetland hyd	drology pres ling point wi		☐ Yes X No ☐ Yes X No ☐ Yes X No ☐ Yes X No				
				<u>-</u>			•

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Project/Site: Colusa	P.P.					Date	e: 4-1 u	0/01	
Applicant/owner: Relia						Cou	inty: Onl	usa	
Investigator(s):						Stat	e:	4	
3 17 6 10	,)~. 👊	<u>. </u>				S/T/	'R:		
Do normal circumstances			_	Yes 🗌	No	Con	nmunity ID:		
Is the site significantly dist	,	cal situation	n)? 🔲 `	Yes 🗌	No	Trar	nsect ID:	0-1	
is the area a potential prof			□,	Yes 🗌	No	Plot	ID:	•	
Explanation of atypical or	· · · · · · · · · · · · · · · · · · ·				· · · · ·				
VEGETATION (For *stra					•				
Dominant Plant Species	*Stratum	% cover	Indicator	Dominant	Plant Spec	ies	*Stratum	% cover	Indicator
Planting a coronopus	+	निष	FAC.				- · · · · · · · · · · · · · · · · · · ·		
Endium botys	+4	((5	NE						<u> </u>
William perenne	th	5	FAC						
Bromus mollis	+	5	M	<u> </u>			• 1		
	4	lo						·	
bare grand	L'E					1		, .	-
HYDROPHYTIC VEGETA	TION INDIC	ATORS:	.1	<u> </u>	· · .	J			
	•								
% of dominants OBL, FAC		75					•		
Check all indicators that ap									
☐ Visual observation of pareas of prolonged inur				siological/re	•	adapi	tations		
Morphological adaptati		41.0		land plant d		.:1			
Technical Literature				sonal knowle er (explain)	eage or reg	ionai	piant comm	unnies	
		. Aut.		oxpiaii)					· · · · ·
Hydrophytic vegetation r		Yes	☐ No						
Rationale for decision/Ren	narks: ————								
<u>HYDROLOGY</u>				4".					
Is it the growing season?		₹ /40		,	WETLAND	HYD	ROLOGY IN	DICATOR	 S
Based on: 🔲 Soil temp (record temp) [`]		Primary Ir	ndicators:		1	,	
Other (exp	ain)		Ψ] [some h		<u> </u>
Depth of inundation:		inches			_		ipper 12 inc	hes	
Depth to free water in pit:	Ø	inches			i Water M Drift Line				
Depth to saturated soil:		inches			Sedimer		osits		
Check all that apply & expl	ain below:					-	erns in Wetl	lands	
Stream, lake or gage d	ata								
Aerial photographs				Secondar			more Requ		
☐ Other				اِ اِ			Channels in	n Upper 12	Inches
				L	☐ Water-St				
					☐ Local So ☐ FAC-Nei				
					_		in Remarks	e)	
Wetland hydrology prese	nt?	Yes [No ≤	<u>-</u>					
Rationale for decision/rema				one au elevation	m by A	يمسو	led wic	الأساس	
					,, ,,			,	

SOILS		•					Plot ID:
Map Unit I	Name (Ser	ies and Phase) :	_		Drainage Cla	iss	
	alta	mont c	lan		Field observa	ations confirm mapped ty	ype? 🗌 Yes 🗌 No
Taxonomy	/ (subgroup)					
Profile Des	scription						
Depth		Matrix color	Mottle colors	Mot	tle abundance	Texture, concretions,	Drawing of soil profile
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size	and contrast	structure, etc.	(<u>match description</u>)
0-6+	A	10 YR 4/3				Silhyloan	
							
					<u>,</u>	<u></u>	
Hydric Soi	I Indicators	: (check all that ap	oply)		}		
· —] Histosol				l —	a ≤ 2 with mottles	
1	Histic Epipe				│		
_	Sulfidic Ode				1 -	Content in Surface Layer of	of Sandy Soils
1] Aquic Moisi] Reducing C	=			_	aking in Sandy Soils	
	Reducing C	∞onditions .ow-Chroma (=1) r	natriv		Other (explain	ional/Local Hydric Soils Lis	ı
1	s present?	Ye			L Other Texpian	ili (ellarks)	
	or decision/F	_	- φ.πο				
	eterminatio				[· , ,	
		<u></u>					
Hydrophytic	cvegetation	present?	☑ Yes ☐ No	•			
Hydric soils	present?		☐ Yes ☐ No	•	}		
Wetland hy	drology pres	ent?	Yes No				
		thin a wetland?	Yes X No				
Rationale/	Remarks:					<u>.</u>	-

						•	
NOTES:			ekali sc	al	d		
110 113.	btru p	lauts in s	iwali				Revised 3/01

	Per tr	iplex for					
	Val	lia m					
		م سمدیاهای	wanin-				
	رغو	ادات مسلمانی دادات	tions very	. 1 .	tipes (ho	t donn mous)	
	ا ا	plaum 6	6 - 1		•	•	
	Μ	edicago po	enjource				•
	A	epiduin 1	∩. ,				
	the	ndeun m	oum				

1987 Corps Wetland Delineation Manual

D-1-40% 0									······································
Project/Site: Coewa	TOPP					Da	, ,	101	
Applicant/owner:	iaut					Co	unty: Col	usu	
Investigator(s):	M Lea	1					ر te:	*	
, (h_1)	, /01 —	_				S/T	7/R:		
Do normal circumstances	exist on the	site?		Yes [No	Co	mmunity ID:		
Is the site significantly dist	urbed (atypic	cal situation	n)? 🗀 '	Yes ₽	¶ No		insect ID:	4-1	
Is the area a potential prof	,				No		t ID:		
Explanation of atypical or		a: Seas		hudi	_	. , .	. ,		
VEGETATION (For *stra		•		- (1	12 1				
Dominant Plant Species	*Stratum	% cover	Indicator	•	nt Plant Spe	nine	*Stratum	% cover	Indicator
Plagiobothnys stip; tat	1.1.	5	081	Joinnai	it i iant ope		Shatum	78 COVE	mulcator
] , J	A	5	1				<u> </u>	<u></u>	<u>.</u>
Hordenm marinum	1	_	FAZ		·····				
Eave ground	_	90							
							1		
					··		-		
HYDROPHYTIC VEGETA	TION INDIC	ATORS:	<u>. </u>	<u> </u>				<u></u>	
% of dominants OBL, FAC	_								
Check all indicators that ap		•							
☐ Visual observation of p				ciologiaa!/	roproductive	da-	statians.		
areas of prolonged inur				-	reproductive	e acap	otations		
☐ Morphological adaptati				land plant				•••	
Technical Literature	44					gional	l plant comm	unities	
				er (explain	·)			· "	
Hydrophytic vegetation p		/ Yes	' □ No						
Rationale for decision/Rem	arks:	•							
HYDROLOGY	<u></u>		· · · · · · · ·						
Is it the growing season?	□ Yes 😿	โทก		<u> </u>	WETLAND) HVD	ROLOGY IN		
Based on: Soil temp (•		Primary	Indicators:	, , , , L	nocogi il	DICATOR)
Other (exp		,		i iiiiai y	Inundat	ted			
Depth of inundation:		inches	_	1			Upper 12 Inc	hes	
Depth to free water in pit:	prod.	inches			☐ Water I				
Depth to saturated soil:	Y				Drift Lin	ies			
		inches		4	Sedime	nt De	posits		
Check all that apply & expl					Drainag	je Pat	terns in Wetl	ands	
Stream, lake or gage d	ata								
Aerial photographs				Seconda			r more Requ		
☐ Other							t Channels i	n Upper 12	Inches
							d Leaves		
							rvey Data		
]	☐ FAC-Ne				
347-1111				<u> </u>	U Other (Explai	n in Remarks	s)	-
Wetland hydrology prese	nt? ☑	Yes [_ No						
Rationale for decision/rema	arks: head	u host	print						
		2 0	1						

SOILS Man Unit I	Namo /So	rios and Phasa)	•		Drainage Cl	lana	Plot ID:			
Map Unit Name (Series and Phase) altument Taxonomy (subgroup)			000		-	ass vations confirm mapped	tuno? 🗆 Vas 🗀 No			
Taxonomy	/ (subgroup	D)	Cay		r leid observ	rations commit mapped	iàbe: 🗀 iez 🗀 ido			
Profile Des										
Depth		Matrix color	Mottle colors Mot		tie abundance	Texture, concretions,	Drawing of soil profile			
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size	and contrast	structure, etc.	(match description)			
12	A	104R 3/2								
	,						-			
							-			
						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				

Hydric Soi	Undicators	! : (check all that ap	nnly)							
	Histosol	· (SHOOK all that ap	(P·))	☐ Matrix chroma ≤ 2 with mottles						
	Histic Epip		☐ Mg or Fe			Concretions				
	Sulfidic Od				☐ High Organic Content in Surface Layer of Sandy Soils					
	•	ture Regime			☐ Organic Streaking in Sandy Soils ☐ Listed on National/Local Hydric Soils List					
☐ Reducing Conditions ☐ Gleyed or Low-Chroma (=1)			natrix			itional/Local Hydric Solls Li in in remarks)	st			
	s present?	10			Cirici (expia	in in remains)	· · · · · · · · · · · · · · · · · · ·			
_	or decision/F		<u>—</u>							
Wetland Do	eterminatio	<u>n</u>		•						
	vegetation	present?	Yes No							
Hydric soils	present? drology pres	ent?	☐ Yes ☐ No							
	•	thin a wetland?	Yes Sto							
Rationale/F										
			····							

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Project/Site: Colusa Applicant/owner: Yelia Investigator(s): C. Lu.	nt		Date: Column 4/10/01 County: State: CA S/T/R:						
Do normal circumstances is the site significantly distinct in the area a potential protection of atypical or	urbed (atypi blem area? problem are	cal situation a: <i>Aeaso</i>	lxl <u>nal –</u>	Yes No Yes No Anduology	Community I Transect ID: Plot ID:	D: G -1			
VEGETATION (For *stra			shrub; H =	= herb; V = vine)					
Dominant Plant Species	*Stratum	% cover	Indicator	Dominant Plant Spec	ies *Stratur	n % cover	Indicator		
Plantago cornado	 	<i>20</i> 78	FAR						
Bromes mollis	11	26	NL				1		
Evodium bothys	+	<5	ML	,					
Lapidium latipes lad	ers #	46.5	OBL						
, –						·			
		·					-		
HYDROPHYTIC VEGETA	TION INDIC	ATORS:	75		<u> </u>				
% of dominants OBL, FAC			()						
Check all indicators that a		lain below:							
☐ Visual observation of plant species growing in areas of prolonged inundation/saturation ☐ Physiological/reproductive adaptations ☐ Morphological adaptations ☐ Personal knowledge of regional plant communities ☐ Technical Literature ☐ Other (explain)									
Hydrophytic vegetation p Rationale for decision/Ren		Yes	□ No						
HYDROLOGY									
Is it the growing season? Based on: Soil temp (Other (exp	record temp	1 No)	WETLAND HYDROLOGY INDICATORS Primary Indicators: Inundated						
Depth of inundation: Depth to free water in pit: Depth to saturated soil: Check all that apply & expl	☐ Saturated in Upper 12 Inches ☐ Water Marks ☐ Drift Lines ☐ Sediment Deposits ☐ Drainage Patterns in Wetlands								
	Stream, lake or gage data								
Aerial photographs ☐ Other ☐ Other ☐ Other ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other ☐ Other (Explain in Remarks)									
Wetland hydrology prese Rationale for decision/rema	ent?	Yes [No hoofp	riuto					

SOILS										
,	Name (Se	eries and Phase)	:	Drainage C	Plot ID:					
	alt	amont Ol		_						
Taxonomy (subgroup)			- Car	rieid obser	type? Yes No					
Profile De	scription]							
Depth	Depth Matrix color Mottle		Mottle colors	Mottle abundance	Texture, concretions,	Drawing of soil profile				
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size and contrast	structure, etc.	(match description)				
023+	A	10 YR 412	acua a.	2 March						
	-		<u> </u>			-				
	 		<u> </u>			4				
<u>-</u> .	 		·							
	<u> </u>									
		s: (check all that ap	pły)							
_] Histosol			☐ Matrix chroп	na ≤ 2 with mottles	•				
	Histic Epip			☐ Mg or Fe Concretions						
] Sulfidic Oc			☐ High Organic Content in Surface Layer of Sandy Soils						
Aquic Moisture Regime				☐ Organic Streaking in Sandy Soils						
	Reducing (Listed on National/Local Hydric Soils List						
		Low-Chroma (=1) m	natrix		n in remarks)	-				
	is present?		s (2)100	·	· · · · · · · · · · · · · · · · · · ·					
Rationale fo	or decision/f	Remarks:	•							
Wetland D	eterminatio	'n	 -							
Hydrophytic	vegetation	present? 0	Yes □ No							
Hydric soils			Yes No							
Wetland hy	•		Yes ∏ No							
		thin a wetland?	☐ Yes K No							
Rationale/F				_	<u> </u>					
		<u> </u>								
				-						
	-	<u>-</u>			_					
	·		·			į.				

NOTES: Soil verndry hard to dig., alkali scald

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Project/Site: Wasa	Date: 4-111-01									
Applicant/owner:	County: Colusa									
Investigator(s): Miller + C. Lu	State: CA									
	S/T/R:									
Do normal circumstances exist on the site?	Yes No Community ID:									
Is the site significantly disturbed (atypical situation)?	Yes 🔼 No Transect ID:									
is the area a potential problem area?	Yes ☐ No Plot ID: ፲ 1									
Explanation of atypical or problem area:										
<u>VEGETATION</u> (For *strata, indicate T = tree; S = shrub; H = herb; V = vine)										
Dominant Plant Species *Stratum % cover Indicator	Dominant Plant Species *Stratum % cover Indicator									
Plantago coron 50 A										
Lepidium in per 30 H										
Ernation borrys 10 H										
Brown & hordiacaus <5 H										
213017 4077 404243										
HYDDODUVIOUS OF TATION INDICATORS										
HYDROPHYTIC VEGETATION INDICATORS:	ac 2 January = 10 %									
% of dominants OBL, FACW, & FAC:	10 70									
Check all indicators that apply and explain below:										
Visual observation of plant species growing in Phy	siological/reproductive adaptations									
Marabalasiasiasiasi	iand plant database									
Tophnical films to a	sonal knowledge of regional plant communities									
Oth	er (explain)									
Hydrophytic vegetation present?										
Rationale for decision/Remarks:										
HYDROLOGY										
Is it the growing season? X Yes No	WETLAND HYDROLOGY INDICATORS									
Based on: Soil temp (record temp)	Primary Indicators: X m ud cracking									
Other (explain)	☐ Inundated × moss									
Depth of inundation: inches	Saturated in Upper 12 Inches									
Depth to free water in pit: inches	☐ Water Marks									
Depth to saturated soil: inches	☐ Drift Lines ☐ Sediment Deposits									
Check all that apply & explain below:										
Stream, lake or gage data	Drainage Patterns in Wetlands									
Aerial photographs	Secondary Indicators (2 or more Required):									
☐ Other	Qxidized Root Channels in Upper 12 Inches									
	☐ Water-Stained Leaves									
	☐ Local Soil Survey Data ☐ FAC-Neutral Test									
	<u></u>									
Wetland hydrology present? Yes No	Other (Explain in Remarks)									
paint son to	brough this soon = 4"from upland									
	VIV 1 V (M) (M) (M)									

SOILS							Plot ID:		
		ries and Phase) :							
altamout al			ay		Field observ	ations confirm mapped t	ype? 🔲 Yes 🔲 No		
altamout al Taxonomy (subgroup)			0						
Profile Description									
Depth	· · · · · · · · · · · · · · · · · · ·	Matrix color	Mottle colors	Mot	tle abundance	Texture, concretions,	Drawing of soil profile		
(inches)	Horizon	(Munsell moist)	(Munsell moist)	h -		structure, etc.	(match description)		
	Λ.	1,40,3/5	-			Tilty Joan			
0-5"	<u> </u>	101R3/2	 		·	Jilty Dam			
							1		
					_,				
		+					1		
Hydric Soi	I Indicators	: (check all that ap	pply)				•		
	Histosol		☐ Matrix chron			na ≤ 2 with mottles			
	Histic Epip	edon	☐ Mg or Fe Co			ncretions			
] Sulfidic Od	lor		☐ High Organic Content in Surface Layer of Sandy			of Sandy Soils		
] Aquic Mois	ture Regime				eaking in Sandy Soils			
] Reducing (Conditions				tional/Local Hydric Soils List			
	Gleyed or I	Low-Chroma (=1) r							
Hydric soi	ls present?	1 €	s 🗘 No						
Rationale f	or decision/l	Remarks:							
Wetland D	eterminatio	<u>n</u>							
Hudronbydi	c vegetation	proceed?	⊠ Yes □ No				:		
Hydric soils	breseur:	Yes MNo							
_	⊠ Yes □ No								
Wetland hydrology present? ✓ Yes									
Rationale/Remarks:					· · · · · · · · · · · · · · · · · · ·				
		·· · ·····							
					,,, + 11 - 1, - 1				

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Project/Site: Olwa	Date: 4-10-01										
Applicant/owner:		County:									
Applicant/owner: Investigator(s): M. Lee + C.		Sta	•								
	S/T/R:										
Do normal circumstances exist on th	□No	Cor	nmunity ID:								
Is the site significantly disturbed (aty	pical situatio	n)? 🔲 `	Yes	☑ No	Tra	nsect ID:	1				
Is the area a potential problem area	•	[∑]√	Yes .	☐ No	Plot	ID:	<u>\</u>				
Explanation of atypical or problem area:											
VEGETATION (For *strata, indicate	T = tree; S	= shrub; H =	herb; V	= vine)							
Dominant Plant Species *Stratum	% cover	Indicator	Domina	ant Plant Spec	ies	*Stratum	% cover	Indicator			
Plantago annocupus H	60	FAC									
Eroding bothys H	30	NL									
Vulpa myoruss H	~ E_	FACU						_			
Brown is word H	<5	NL					_				
bare ground	(7)	/									
J											
HYDROPHYTIC VEGETATION IND	CATORS:	60									
% of dominants OBL, FACW, & FAC	:										
Check all indicators that apply and e	xplain below:	:									
☐ Visual observation of plant speci		ı 🔲 Phy	siologica	i/reproductive	adap	tations					
areas of prolonged inundation/sa	uration	☐ Wet	land plar	nt database							
Morphological adaptations		Pers	sonal kno	owledge of reg	jional	plant comm	unities				
Technical Literature		☐ Othe	er (expla	in)							
Hydrophytic vegetation present?		□ No	•								
Rationale for decision/Remarks:	,										
HYDROLOGY	·-····································					 .	.	-,			
Is it the growing season? Yes	□No			WETLAND	HYD	ROLOGY IN	IDICATOR	 S			
Based on: Soil temp (record ten	np)		Primar	y Indicators:			e land				
Other (explain)				Inundate			Mn	无影			
Depth of inundation:	inches	- ··· . <u>-</u> .	Saturated in Upper 12 Inches								
Depth to free water in pit:	inches		∐ Water Marks								
Depth to saturated soil:	inches		☐ Drift Lines ☐ Sediment Deposits								
Check all that apply & explain below:			Drainage Patterns in Wetlands								
Stream, lake or gage data				_ ,							
Aerial photographs	Secondary Indicators (2 or more Required):										
☐ Other						t Channels i	n Upper 12	Inches			
							☐ Water-Stained Leaves				
	Local Soil Survey Data FAC-Neutral Test										
	Other (Explain in Remarks)										
Wetland hydrology present?	Wetland hydrology present? Yes X No										
Rationale for decision/remarks:	on, as	1900									
	orki ac -										

SOILS				•		· · · · · ·	Plot ID:
Map Unit I	Name (Ser	ies and Phase) :			Drainage CI	ass	
	al	tamout	clan		-	ations confirm mapped	type? ☐ Yes ☐ No
Taxonomy	(subgroup)	σ				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Profile Des	cription						
Depth		Matrix color	Mottle colors	Mot	tle abundance	Texture, concretions,	Drawing of soil profile
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size	and contrast	structure, etc.	(match description)
0-4+	A	10×R 3/3	۴			-: 11. 1.a.	
<u> </u>	/1	() 10 3/0				Silty sam	-{
							1
							_
							-
Hydric Soil	Indicators:	(check all that ap	ply)				
	Histosof				Matrix chrom	a ≤ 2 with mottles	
	Histic Epipe	edon			☐ Mg or Fe Co.	ncretions	
	Sulfidic Odd	or			☐ High Organio	Content in Surface Layer	of Sandy Soils
	Aquic Moist	ure Regime			Organic Stre	aking in Sandy Soils	•
	Reducing C	onditions			Listed on Na	tional/Local Hydric Soils Li	st .
	Gleyed or L	ow-Chroma (=1) n	natrix		Other (explai	n in remarks)	
Hydric soil	s present?	∐ Ye	s 🔲 No				·
Rationale fo	r decision/R	emarks:					
Wetland De	etermination	<u>1</u>					
I li color I I II			777 14				
	vegetation	oresent?	Yes No				
Hydric soils			Yes No				
	drology pres		☐ Yes ☑ No				
,		hin a wetland?	☐ Yes 🔯 No	ŀ	:	·	
Rationale/F	emarks:						
	-		· · ···				

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Project/Site: Muse	£					Date	9: 4-10-	31	· <u>-</u>
Applicant/owner:						Cou	nty:		
Investigator(s): M. Let + C. Let State:									
						S/T/I	R:		
Do normal circumstances	exist on the	site?	3	Yes [⊒ No	Com	munity ID:		
Is the site significantly dist	urbed (atypi	cal situation	n)? 🔲 '	Yes 🗓	∑i No	1	sect ID:		
is the area a potential prof	olem area?		\square	Yes [] No	Plot	ID: $\bigvee \mathcal{I}$		
Explanation of atypical or	problem are	a;							
VEGETATION (For *stra	ta, indicate 1	Γ = tree; S =	= shrub; H =	= herb; V =	= vine) – 🍝 🖰	rod	iua		
Dominant Plant Species	*Stratum	% cover		Dominar	nt Plant Spec	ies	*Stratum	% cover	Indicator
Hordeum marinum	+1		tre						ļ
					<u></u>				
									1
		· · · · · · · · · · · · · · · · · · ·	-				·····		
			-						
					 				
HYDROPHYTIC VEGETA	TION INDIC	ATORS:							
% of dominants OBL, FAC	:W, & FAC:	100							
Check all indicators that a	oply and exc	olain below:							
☐ Visual observation of p				siological/	reproductive	adapt	ations		
areas of prolonged inur				-	database	•			
Morphological adaptat	ions		☐ Pers	sonal knov	wledge of reg	ional	płant comm	unities	
Technical Literature			☐ Oth	er (explain	1)				
Hydrophytic vegetation i	oresent?	Yes	□No						
Rationale for decision/Ren		/							
						-			
HYDROLOGY		٦.,		F	1415771 4415				
Is it the growing season?		_] No		Dui	WETLAND	HYDE	~		•,
Based on: Soil temp ())		Primary	Indicators:	ad	DEG	+ hoot	مبياء -
Other (exp	iairi)	inches		-	_		lpper 12 inc		4
Depth to free water in pit:		inches			Water M				
Depth to saturated soil:		inches			Drift Line				
Check all that apply & expl	ain helow:	# 101163		┪	Sedimer				
Stream, lake or gage of					∐ Drainage	e Patte	erns in Wet	iands	
Aerial photographs	usu			Second	ary Indicators	s (2 or	more Real	ired).	
Other					<u> </u>	•	Channels i		! Inches
					Water-\$				
							vey Data		
· :					FAC-Net				
Maria de Caralina		7		<u> </u>	☐ Other (E	xplain	in Remark	s)	
Wetland hydrology prese	-	Yes [□ No	a.		. 1.			
Rationale for decision/rem	arks:	Lower	in c	130	1. En 22 1	6			
		· · · · · · · · · · · · · · · · · · ·	-						

	Name (Se a y (subgroup	ries and Phase): Lternout	Clay	Drainage C Field obser	ilass vations confirm mapped t	Plot ID:
Profile De		<u>-</u>]			
Depth (inches)	Horizon	Matrix color (Munsell moist)	Mottle colors (Munsell moist)	Mottle abundance size and contrast	Texture, concretions, structure, etc.	Drawing of soil profile (match description)
1-6+	A	104R4/2			Silty (Darry	(materi description)
	I Indicators Histosol	: (check all that ap	ply)	☐ Matrix chron	na ≤ 2 with mottles	
	Reducing C	or ture Regime	natrix	☐ Mg or Fe Co☐ High Organic☐ Organic Stre		
	s present?	☑ Ye		T Cilier (expla	is in remarks)	
Rationale fo	or decision/P	temarks:				
Hydrophytic Hydric soils Wetland hyd	drology pres ling point wit	present?	⊠ Yes □ No □ Yes ☑ No ☑ Yes □ No □ Yes ☑ No			
- 						
0+	her p	lants in nordeac	swale:		ives rungs	Revised 3/01
11 11	order	multer fl on muri	oun/pe	renere	= 18	ro'long

This is not hydrologically connected to creek (is stated).

Project/Site: Column					Dat	te: 4-1	<i>0-</i> 01		
Applicant/owner: Teli ant	1								
Investigator(s): M. He & C.	144 .				Sta	•			
344 (4) 1.1 (2 0)					S/T	/R:			
Do normal circumstances exist on	the site?	⊠.	Yes	□No	Cor	nmunity ID:			
Is the site significantly disturbed (a	typical situatio	n)? 🔲 `	Yes	⊠ No	Tra	nsect ID:		4	
Is the area a potential problem area	a?	Ŏ,	Yes	☐ No	Plo	11D: 02	_		
Explanation of atypical or problem	area:								
VEGETATION (For *strata, indica	te T = tree; S	= shrub; H =	= herb;	V = vine)					
Dominant Plant Species *Stratu	m % cover	Indicator	Dom	inant Plant Spec	cies	*Stratum	% cover	Indicator	
Bromus hordercus H	85	NL							
TaeniaTherum ingustae H	< 5	NL							
Hordensy morning H	70	FAC		•					
Ostri and H	< 2	M						1	
	·							-	
HYDROPHYTIC VEGETATION IN	DICATORS:								
% of dominants OBL, FACW, & FA	C: 10								
Check all indicators that apply and	explain below:								
☐ Visual observation of plant spec	cies growing in	n 🔲 Phy	siologi	cal/reproductive	adar	otations			
areas of prolonged inundation/s	aturation	☐ Wet	land p	lant database					
Morphological adaptations		🧳 🔲 Pers	sonal k	nowledge of reg	jional	plant comm	unities		
Technical Literature		☐ Othe	er (exp	lain) -					
Hydrophytic vegetation present?	☐ Yes	Nο							
Rationale for decision/Remarks:	•								
HYDROLOGY						·			
Is it the growing season? Yes	□No		[WET AND	HVD	ROLOGY IN	IDICATOR	e	
Based on: Soil temp (record te			Prim	ary Indicators:	1110	HOLOGI II	IDIOATOIL	3	
Other (explain)	,,,		' ''''	Inundate	ed				
Depth of inundation:	inches		1			Jpper 12 inc	hes		
Depth to free water in pit;	inches			☐ Water M	larks				
Depth to saturated soil:	inches			Drift Line					
Check all that apply & explain below			1	Sedimer					
Stream, lake or gage data				☐ Drainag	e rat	terns in Wet	iands		
Aerial photographs			Seco	ondary Indicator	s (2 n	r mare Real	iired):		
Other						t Channels i		Inches	
						d Leaves			
				Local Sc	oil Su	rvey Data			
				☐ FAC-Ne	utral `	Test			
			.]	Other (E	xplai	n in Remark	s)		
Wetland hydrology present?	Yes 5	⊠ _No	1.1	•	.,	e I			
Rationale for decision/remarks:	Nightly L	ighter "	Th ar	Cadagai	A	MALL			
		<u> </u>				 .			

SOILS					•		Plot ID:
Map Unit I	Name (Ser	ies and Phase) :			Drainage Cla	RSS	
	al	tamont c	lay		Field observ	ations confirm mapped t	type? 🗌 Yes 🗌 No
Taxonomy	/ (subgroup	tamont c					
Profile Des	scription						
Depth		Matrix color	Mottle colors	Mottl	e abundance	Texture, concretions,	Drawing of soil profile
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size	and contrast	structure, etc.	(match description)
7. 5	A	10VR3/2					
, ,		10,11	'				
							_
							_
				ļ			4
		1					
Hydric Soi	I Indicators	: (check all that ap	oply)	<u>' </u>		•	<u> </u>
-) Histosol	,	,		Matrix chrom	a ≤ 2 with mottles	
] Histic Epipe	edon			Mg or Fe Cor	ncretions	
] Sulfidic Ode	or		i	☐ High Organio	Content in Surface Layer	of Sandy Soils
	Aquic Mois	ture Regime			Organic Stre	aking in Sandy Soils	
	Reducing C	Conditions			☐ Listed on Nat	tional/Local Hydric Soils Li	st
	Gleyed or L	ow-Chroma (=1) r	natrix 🔒 💮		Other (explain	n in remarks)	
Hydric soil	ls present?	☐ Ye	s DVO				
Rationale fo	or decision/F	Remarks:					
Wetland D	eterminatio	<u>n</u>					
			Mar Mar				
	c vegetation	present?	☐ Yes ☑ No				
Hydric soils	s present <i>r</i> drology pres	ont?	Yes No				
_		thin a wetland?	Yes No	L			
Rationale/		illii a wellano:	L les Elle				· · · · · · · · · · · · · · · · · · ·
rationaler	ieiliai kai			<u>.</u> .			
	<u> </u>						•
		-,					

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						·			
Project/Site:)					Da	ite: 4_10)- Ot	
Applicant/owner:						1	unty:	•	
Investigator(s): // //	J 4 () 1	in da				Sta	ate:		
, , , , , , , , , , , , , , , , , , ,		, - + C				S/	Γ/R:		
Do normal circumstances e	xist on the s	site?	N.	Yes	☐ No	Co	mmunity ID:		
Is the site significantly distu	rbed (atypic	cal situation	n)? 🔲 🗀 🗅	Yes	⊠ No	Tra	ansect ID:		
Is the area a potential proble	em area?		\square	Yes	□No	Plo	ot ID: K 7	_	
Explanation of atypical or pr	roblem area	a:							
VEGETATION (For *strata	ı, indicate T	= tree; S :	= shrub; H =	= herb; \	/ = vine)	-			
Dominant Plant Species	*Stratum	% cover	Indicator	Domin	ant Plant S	Species	*Stratum	% cover	Indicator
Plant to the over the	a H	80	FAZ:			-			
Endustr billya	<u> </u>	5	NL						
Brognijo nandeaco		25	NL						
V 10 10 10 10 10 10 10 10 10 10 10 10 10									
			 	· · · · · ·					-
		··· ··· ·- ·- ·- ·-							
HYDROPHYTIC VEGETAT	TON INDIC	ATORS:		<u> </u>	l		1	<u> </u>	<u> </u>
% of dominants OBL, FACV		Ø 0			OA	4 gra	und 10) ⁴)	
		0				V			
Check all indicators that app				-1-11-	- 1 <i>/</i> 1		-4-41		
Visual observation of pla areas of prolonged inund				_	al/reproduc		ptations		
Morphological adaptatio		allon		•	int databas				
Technical Literature	113					regiona	il plant comm	iunities	
			∐ Otne	er (expla	ain)				
Hydrophytic vegetation pr	esent?	⊠tYes	☐ No				-		
Rationale for decision/Rema	arks:								
HYDROLOGY	ii.				····				
Is it the growing season?	T Yes ⊏] No			WETLA	ND HYI	DROLOGY IN	JDICATOR	
Based on: Soil temp (re				Prima	ry Indicato		J110E0Q1 J1	1010711011	0
Other (expia		,		, ,,,,,,		dated			
Depth of inundation:		inches		1	_		Upper 12 Inc	ches	
Depth to free water in pit:		inches			☐ Wate	er Marks	; · ·		
Depth to saturated soil:	***	inches				Lines			
Check all that apply & expla		11101103		1	∐ Sedi	ment De	posits	24.	th, have the
Stream, lake or gage da					⊠⊥⊵ra⊪	nage Pa	tterns in Wet	ianos ~q	(A)\\\\
Aerial photographs	ıa			Secor	ndary Indica	ators (2	or more Requ	iired):	
Other				00001			ot Channels i	•	Inches
Cilei							ed Leaves		
							ırvey Data		
					☐ FAC	-Neutral	Test		
	<u></u> ,				Othe	er (Expla	in in Remark	s)	
Wetland hydrology preser	1t? 😾	Yes [□ No						
Rationale for decision/rema	rks: 1204	MA		ishti	$\Delta = \mathcal{D}_{i}^{(i)}$	taht	Ma ~ ~	(1)	
	<u> </u>		- · · · · · · · · · · · · · · · · · · ·	O. N. Arra	<u> </u>		M = 3	<i>}-</i>	
Victoria de la companya della companya della companya de la companya de la companya della compan		4			J		U		

SOILS							Plot ID:			
Map Unit I	Name (Sei	ries and Phase) :		Drainage Class						
	altan	nowo clay	Field observations confirm mapped type? Yes No							
Taxonomy	/ (subgroup	o)				1.1	,,			
Profile Des	scription									
Depth		Matrix color	Mottle colors	Mot	tle abundance	Texture, concretions,	Drawing of soil profile			
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size	and contrast	structure, etc.	(match description)			
7)-41	1	IMRHIQ				C. Al. /-				
<u> </u>	7 \	1 4	-			Selly run	_			
			·							
			į							
	<u>-</u> -	1					-			
Hydric Soi	l Indicators	: (check all that ap	iply)							
	Histosol				Matrix chrom	na ≤ 2 with mottles				
	Histic Epipe				☐ Mg or Fe Co	ncretions				
	Sulfidic Od				🔲 High Organio	Content in Surface Layer	of Sandy Soils			
	-	ture Regime			☐ Organic Stre	aking in Sandy Soils				
	Reducing C				Listed on Na	tional/Local_Hydric Soils Li	st			
		_ow-Chroma (=1) п			Other (explain	in in remarks)				
Hydric soil	s present?	☐ Ye	s XNo							
Rationale fo	or decision/F	Remarks:								
Wetland De	<u>eterminatio</u>	<u>n</u>								
Hydrophytic	vegetation	present?	⊠ Yes □ No							
Hydric soils	-	p. 000.	Yes W No							
	drology pres	ent?	☐ Yes ☐ No							
-		thin a wetland?	☐ Yes X No							
Rationale/I							· · · · · · · · · · · · · · · · · · ·			
										
					,		· · · · · · · · · · · · · · · · · · ·			

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	·			
Project/Site: CO) Wsa		Date: 4 - 9		
Applicant/owner: Relion+		County: Calu	isa	
Investigator(s): M, Lee & C, Lee		State: CA		
		S/T/R:		
Do normal circumstances exist on the site?	res □ No	Community ID:		
Is the site significantly disturbed (atypical situation)?		Transect ID:		
is the area a potential problem area?		Plot ID: A- 6)	
1	hudrology		~	
VEGETATION (For *strata, indicate T = tree; S = shrub; H =		5' rad 15		_
<u> </u>	Dominant Plant Spec		% cover Indicate	n r
Hordern marining H 78-35 FAC	Dominant Flam Open	On details	70 DOVC: III GIGGR	<u> </u>
Lollin muttiflorum/percine 300 FAC				
Levidin nitidom H <5 NL				
Plantingo coronous + >5 FAC				
rep him latiges van lariges A < 5 OBL				
Linaria vulgaris & NL				
LIVEDORINGIO VECETATIONI INDICATORE	<u> </u>			
% of dominants OBL, FACW, & FAC: 70	Bare your	x 20").	•	
Check all indicators that apply and explain below:	V			
_	siological/reproductive	adantations		
	land plant database	adaptations		
1 ()	onal knowledge of reg	ional plant comm	unities	
↓ □ ▼171-2	er (explain)	ional plant bomin	id:iiiCO	
	- (Oxpidin)			
Hydrophytic vegetation present? Yes No				
Rationale for decision/Remarks:				
HYDROLOGY				
Is it the growing season? X Yes No	WETLAND	HYDROLOGY IN	IDICATORS	
Based on: Soil temp (record temp)	Primary Indicators:	x 45	of prints	
Other (explain)	☐ Inundate	ed (
Depth of inundation: inches	☐ Saturate	d in Upper 12 Inc	hes	
Depth to free water in pit: inches	☐ Water M			
Depth to saturated soil: inches	☐ Drift Line			
Check all that apply & explain below:		it Deposits	londe	
Stream, lake or gage data	Drainage	Patterns in Wet	ianus	
Aerial photographs	Secondary Indicators	(2 or more Beat	ired).	
Other	· —		in Upper 12 Inches	
		ained Leaves	- har - commission	
	Local Sc	il Survey Data		
	☐ FAC-Nei	utral Test		
		xplain in Remark		
Wetland hydrology present? Yes 🗆 No 🚜	rue elevation	$a N \approx 3^{1/3}$	From	
Rationale for decision/remarks:	aireant was	and		
		"\		

SOILS		- 					Plot ID:
	Name (Ser	ies and Phase) :			Drainage Cla	ss	
'	a	ies and Phase) : Ctaniono	Clay		Field observa	ations confirm mapped t	type? 🔲 Yes 🗌 No
Taxonomy	(subgroup)	v				
Profile Des	cription					,	
Depth		Matrix color	Mottle colors		le abundance	Texture, concretions,	Drawing of soil profile
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size	and contrast	structure, etc.	(match description)
0-4+	A	101/23/2	-		<u>/:</u>	511+4 13am	
		10 11-1				7]
							-
							-
Hydric Soi	l indicators	: (check all that a	pply)				
	Histosol					a ≤ 2 with mottles	
	Histic Epipe				Mg or Fe Cor		
	Sulfidic Od					Content in Surface Layer	of Sandy Soils
		ture Regime			· — -	aking in Sandy Soils ional/Local Hydric Soils Li	ot .
	Reducing (∠onditions: _ow-Chroma (=1) :	natriv		Other (explain	-	\$L
	is present?		S No 1	1 0AX	n done (explain	nu loss ma	niCo /
ľ	or decision/F	ارين Bemarks: Се	and 12 + 9	ra A	rection s	ou hoof ma	
	eterminatio		~~~	00		<u></u>	
Tremand D	<u>ciernamatio</u>	<u></u>					
Hydrophytic	c vegetation	present?	Yes □ No	•			
Hydric soils	_		☐ Yes 🗖 No	•			
Wetland hy	drology pres	sent?	⊠ Yes □ No				
is the samp	oling point w	ithin a wetland?	☐ Yes 🛣 No	<u> </u>			
Rationale/	Remarks:		<u> </u>				
		,			_ _		<u>.</u> .

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Broject/Cites C.A.	75.					Γ			
Project/Site: Columba (7)									
Applicant/owner: County:									
Investigator(s): M.Lu +	CLu				State	∋:			
						S/T/I	R:		
Do normal circumstances exis				Yes 🗌	No	Com	munity ID:		
Is the site significantly disturbe		al situation	ı)? 🔲 `	Yes □	No	Tran	sect ID:		
Is the area a potential problem				Yes 🗌	No	Plot	ID: F2		
Explanation of atypical or prob	lem area	ı:							
VEGETATION (For *strata, in	ndicate T	= tree; S =	shrub; H =	= herb; V = v	rine) 🌙	'vo	dis		
Dominant Plant Species *St	tratum	% cover	Indicator	Dominant	Plant Spec		*Stratum	% cover	Indicator
FREDERICE FOR NO	<u> </u>	5	OBL	!]			
Shipant ou st	H	< 5	FAZU						
wordeum to rongo		8285	M						<u> </u>
Exodily botys		5	NL						
Brassica nicha	H	 	NL		·				
Geranin dissection	<u>}</u> +	_ < 5	٢				,		
HYDROPHYTIC VEGETATION	N INDICA	ATORS:						<u></u>	• · · · · · · · · · · · · · · · · · · ·
% of dominants OBL, FACW, 8	ß FAC:								
Check all indicators that apply	and expl	ain below:							
☐ Visual observation of plant	-		□ Phy	siological/re	productive :	adant.	ations		
areas of prolonged inundati	on/satura	ation		land plant d		шаарс	Q (10110		
Morphological adaptations				onal knowle		ional r	niant comm	unitiae	
☐ Technical Literature				er (explain)	oge or regi	OTHER P	Main Commi	นาเนอง	
Livedyna by 6:					·····		·		<u>. </u>
Hydrophytic vegetation prese		☐ Yes	⊠ No						
Rationale for decision/Remarks	5; 								
HYDROLOGY					-			<u> </u>	<u>-, </u>
Is it the growing season? ⁄ 🖾	Yes 🗌	No		V	VETLAND	HYDR	IOLOGY IN	DICATORS	S
Based on: Soil temp (reco				Primary In					
Other (explain)				ן נ] Inundate	d			
Depth of inundation:		inches		Ī [pper 12 Inc	hes	
Depth to free water in pit:	·	inches			Water Ma				
Depth to saturated soil:	·	inches		ļ <u>Ļ</u>	Drift Line:	-			
Check all that apply & explain b	elow:			1	☐ Sediment			t_	
Stream, lake or gage data				-	_ Drainage	Patte	rns in Wetl	ands	
☐ Aerial photographs				Secondary	/ Indicators	(2 or	more Requ	irod):	
Other				Γ			Channels is		Inches
				l ř	Water-Sta			opper 12	mones
				Ī	_ Local Soi		_		
] FAC-Neu				
		,		<u> </u>	Other (Ex	plain	in Remarks	s)	
Wetland hydrology present?		Yes 🖸	No				<u> </u>		į
Rationale for decision/remarks:									,

SOILS							Plot ID:
Map Unit i	Name (Ser	ies and Phase) : Ltzwww.			Drainage Cla	ass	
_	a	Ltours	Clay		Field observa	ations confirm mapped	type? 🗌 Yes 🗌 No
Taxonomy	/ (subgroup))	_				
Profile Des	scription						
Depth (inches)	Horizon	Matrix color (Munsell moist)	Mottle colors (Munsell moist)	l	tle abundance and contrast	Texture, concretions, structure, etc.	Drawing of soil profile (match description)
0-41	Д	104 R 3/2	7.5412.4/4	200	Daymed, ki	SILY LOAIN	
					, ,	j	
							-
			<u> </u>				
Hydric Soi	l I Indicators	: (check all that ap	(vlac	<u> </u>		<u> </u>	
] Histosol	,	, 27			a ≤ 2 with mottles	
	Histic Epipe				☐ Mg or Fe Cor		
	Sulfidic Ode					Content in Surface Layer	of Sandy Soils
	Aquic Mois Reducing C	-				aking in Sandy Soils tional/Local Hydric Soils Li	iet
	_	.ow-Chroma (=1) n	natrix		Other (explain	•	ş.
Hydric soi	ls present?	⊠Ye	s 🗌 No			······································	
Rationale fo	or decision/F	Remarks:					:
Wetland D	eterminatio	<u>n</u>			-		
Lhadrenbudi	tatian		The Was				
Hydric soils	c vegetation	present?	☐ Yes ☑ No				
-	drology pres	ent?	☐ Yes ⊠ No				
I -		thin a wetland?	☐ Yes ☑ No				
Rationale/	Remarks:		•				
·	 				 		
L				- ,	,		
.1	з .	و _ الرحمي	3' \n "	Bal	a Allena A	L Same a	<i>i</i>

NOTES: POINT 10 cated ~ 3' higher than a suite that
Revised 3/01

Routine Wetland Determination 1987 Corps Wetland Delineation Manual

	The Delineation Marida
Project/Site: Column PP	Date: 4/10/07
Applicant/owner: Reliant	County: Column
investigator(s) > Lu, M lee	State: CA:
Do normal circumstances exist on the site?	Yes No Community ID: V_1
	Yes No Transect ID:
Is the area a potential problem area?	Yes ☐ No Plot ID:
Explanation of atypical or problem area: Learonal	leydiology
VEGETATION (For *strata, indicate T = tree; S = shrub; I	l = herb; V = vine)
Dominant Plant Species *Stratum % cover Indicate	r Dominant Plant Species *Stratum % cover Indicat
Hordeum maritima 75 H FAC	
Downingia Sp. 45 H DBL	
Playiobothry shpitatus \$5 H DEL	
Bare ground 20	
constetiste atismas forion A FAC	^
wooly moubles Polar phus brevissiones OBI	
HYDROPHYTIC VEGETATION INDICATORS:	
% of dominants OBL., FACW, & FAC:	<i>3</i> 5.
Check all indicators that apply and explain below:	t .
☐ Visual observation of plant species growing in ☐ P	ysiological/reproductive adaptations
	etland plant database
Tooksissit itseetuus	ersonal knowledge of regional plant communities
O	her (explain)
Hydrophytic vegetation present? Yes No	
Rationale for decision/Remarks:	
HYDROLOGY	
Is it the growing season? Yes No	WETLAND HYDROLOGY INDICATORS
Based on: Soil temp (record temp)	Primary Indicators:
Other (explain)	☐ Inundated
Depth of inundation: /x inches	Saturated in Upper 12 Inches
Depth to free water in pit: // inches	☐ Water Marks ☐ Drift Lines
Depth to saturated soil: inches	Sediment Deposits
Check all that apply & explain below:	☐ Drainage Patterns in Wetlands
Stream, lake or gage data	
Aerial photographs	Secondary Indicators (2 or more Required):
☐ Other	
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Wetland hydrology present? Yes No Rationale for decision/remarks: dup plantiful he	
Rationale for decision/remarks: deep plantil !	ملاء ما
and Lamba Ma	Homes



SOILS							Plot ID:
Map Unit 1	Name (Ser	ies and Phase) :			Drainage Cl	ass	
İ	(Altanion	Claus		Field observ	ations confirm mapped	type? Yes No
Taxonomy	/ (subgroup	·)	0				-,
Profile Des	scription						
Depth		Matrix color	Mottle colors	Mot	tle abundance	Texture, concretions,	Drawing of soil profile
(inches)	Horizon	(Munsell moist)	(Munsell moist)		and contrast	structure, etc.	(match description)
+ 8	Α	101×3/2	7.54R416	30 hi e	1. Ig mothes d contrast		
							-
							-
							_
		: (check all that ap	opły)		,		
] Histosol				Matrix chrom	a ≤ 2 with mottles	·
	Histic Epipe	edon			☐ Mg or Fe Co	ncretions	,
	Sulfidic Odd					Content in Surface Layer	of Sandy Soils
	Aquic Moist	•			☐ Organic Stre	aking in Sandy Soils	
	Reducing C	onditions			Listed on Na	tional/Local Hydric Soils Lis	st
		ow-Chroma (=1) n	патлх		Other (explai	n in remarks)	
Hydric soil	s present?	[<mark>∑</mark> {Ye	s 🗀 No				
Rationale fo	or decision/R	emarks:					
Wetland De	<u>etermination</u>	<u>1</u>					
Hydrophytic	vegetation (present?	☑ Yes □ No	,			
Hydric soils	-	•	Yes 🗀 No				
Wetland hy	drology pres	ent?	▼Yes □ No	,			
Is the samp	ling point wit	hin a wetland?	ĭ Yes □ No	,	lorge band	भ	
Rationale/F		verned po	sol wext	•	alkali swa	G.	
		· · · · · · · · · · · · · · · · · · ·					·

Project/Site: Column P. P.					Dat	e: 4/10	101	<u> </u>
Applicant/owner: Peliant					Co	unty: Coli		
Investigator(s): C.Lu, M. Lee					Sta	te: CA		
C.Lu, M. Zec					S/T			
Do normal circumstances exist on the		<u>√</u>	Yes	□ No	Cor	mmunity ID:	T-1	
Is the site significantly disturbed (at	ypical situatior	n) ? ****	res	Z No	Tra	nsect ID:	. ,	
Is the area a potential problem area		'图'	Yes .	☐ No **	Plo	t ID:		
Explanation of atypical or problem a	irea: Season	e hud	wolor	m				
VEGETATION (For *strata, indicat	e T = tree; S :	= shrub; H =	= herb; \	/ = vine)				
Dominant Plant Species *Stratun	n % cover	Indicator	Domir	ant Plant Spec	cies	*Stratum	% cover	Indicator
Atriplex falcata	μ	PAZ				<u> </u>		
Bromus mollis	H	P*cu-				<u> </u>		
Plantago cornopus	H	FAC						
Sand Soursy	H	FAC-						
Hordeum marenum	H						<u></u>	
HYDROPHYTIC VEGETATION INC	DICATORS:	·	•			•	•	•
% of dominants OBL, FACW, & FAC	/							
Check all indicators that apply and	explain below:							
☐ Visual observation of plant spec		n 🔲 Phy	siologic	al/reproductive	ada	otations		
areas of prolonged inundation/sa	aturation	☐ Wet	land pla	ant database				
Morphological adaptations		☐ Pers	sonai kr	nowledge of re	giona	l plant comm	nunities	
Technical Literature		☐ Oth	er (expla	ain)				
Hydrophytic vegetation present?	Yes	□No						
Rationale for decision/Remarks:	д							
						······		
HYDROLOGY								_
is it the growing season?	∐No		1		HYL	ROLOGY IN	NDICATOR	S
Based on: Soil temp (record te	mp)		Prima	ary Indicators:				
Other (explain)			4	☐ Inundat		Upper 12 Inc	chas	
Depth of inundation:	inches			☐ Water N		• •	J, 100	
Depth to free water in pit:	inches			Drift Lin				
Depth to saturated soil:	inches			☐ Sedime	nt De	posits		
Check all that apply & explain below	VI			🔲 Drainag	je Pat	tterns in Wet	tiands	
Stream, lake or gage data								
Aerial photographs			Seco.	ndary Indicator	•	•	•	
☐ Other						ot Channels	in Upper 12	2 Inches
						d Leaves Irvey Data		
				FAC-Ne		•		
						in in Remark	(s)	
Wetland hydrology present?	√7] Vee 1	☐ No			Pia	a m nornar	···/	
Rationale for decision/remarks:	Ves (
Tradionale for decision/remarks. W	noth, man							

SOILS		- L	·				Plot ID:
		ries and Phase) :			Drainage C	lass	
Taxonomy	مللت y (subgrou _l	miono Cla 0)	8		Field observ	vations confirm mapped	type? 🗋 Yes 🗌 No
Profile De	scription				\		
Depth		Matrix color	Mottle colors	Mottle	abundance	Texture, concretions,	Drawing of soil profile
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size an	d contrast	structure, etc.	(match description)
0-4+	٨	104× 4/3	1				
				1			-
						<u> </u>	-
					_		
		: (check all that ap	ply)				
	Histosol			i		ıa ≤ 2 with mottles	
	Histic Epip Sulfidic Od] Mg or Fe Co		
, –		ture Regime				Content in Surface Layer	of Sandy Soils
l	Reducing (_				aking in Sandy Soils	- 4
	_	_ow-Chroma (=1) m	natrix			tional/Local Hydric Soils Lis in in remarks)	St .
	s present?	☐ Ye	 	<u> </u>	i ouror (oxpiai	m in remarks)	
Rationale fo	or decision/F	Remarks:					
Wetland De	eterminatio	<u>n</u>			 .		
			~ _				ļ
-	vegetation	present?	Yes □ No				
Hydric soils Wetland hyd	•	ont? L	∏ Yes ÖXNo X Yes ∏ No				
		thin a wetland?	X Yes □ No □ Yes ☑ No	ſ			
Rationale/F		mira wenana,	T ies Calvo	<u>'</u>	.		
							· · · · · · · · · · · · · · · · · · ·
						 ,	· · · · · · · · · · · · · · · · · · ·
			-			<u></u>	

des hosfernte - alkali swale

Project/Site:	P. P.				Date:	41101	67		
Project/Site: Coluba Applicant/owner: pclac Investigator(s): C La	. +				County:	Coli	Non		
Investigator(s):					State:	CA CA	_		
investigator(s).	M. Lee				S/T/R:				
Do normal circumstances	exist on the	site?	X.	Yes 🗌 No	P-1				
Is the site significantly dist	urbed (atypic	cal situation	1)?	Transect ID:					
Is the area a potential prob	olem area?		凤	Yes No	Plot ID:				
Explanation of atypical or	oroblem area	a: Sewon	mal n	ndiden					
VEGETATION (For *stra	ta, indicate T	= tree; S =	= shrub; H =	= herb; V = vine)					
Dominant Plant Species	*Stratum	% cover	Indicator	Dominant Plant Spec		tratum	% cover	Indicator	
Atriplex falcata	14	(5	pac	Hordenn mar	,num		<5	FAC	
Sand Spere work macr	othera H	5	FAC-	Baregrand			60		
Bromus molly	H	30	NL						
blivm perenne	H	(5	FAC						
Yeard	1/1	((
lendrom natidaus	4	5	NL						
HYDROPHYTIC VEGETA	TION INDIC	ATORS:		6-10					
% of dominants OBL, FAC	W, & FAC:	10% d	401	(25 /-)					
Check all indicators that as	oply and exp	lain below:							
☐ Visual observation of p			☐ Phy	siological/reproductive	adaptatio	ons			
areas of prolonged inur		ation	☐ Wet	land plant database					
Morphological adaptati	ons		☐ Pers	sonal knowledge of reg	ional plat	nt comm	nunities		
Technical Literature			☐ Oth	er (explain)					
Hydrophytic vegetation p	resent?	☐ Yes	[XN₀		** 				
Rationale for decision/Ren	narks:		, ,						
HYDROLOGY									
Is it the growing season?	☐ Yes ☐] No		WETLAND	HYDROL	OGY IN	NDICATOR	S	
Based on: Soil temp (record temp)		Primary Indicators:					
Other (exp	lain)			Inundate					
Depth of inundation:	O	inches			d in Uppe	er 12 Ind	ches		
Depth to free water in pit:	X	inches		☐ Water M					
Depth to saturated soil:	i.	inches		☐ Drift Line	es nt Deposit	te			
Check all that apply & expl	ain below:			Drainage			lands		
Stream, lake or gage d	ata				o i attorni	3 111 11 01			
Aerial photographs				Secondary Indicators	s (2 or mo	ore Requ	uired):		
Other				Oxidized	Root Ch	annels	in Upper 12	2 inches	
☐ Water-Stained Leaves									
					il Survey				
					utral Test xplain in		·el		
Wetland hydrology prese	nt? t√	Yes 「	□ No		vhiaiii iii	r terriar K	.0/		
Wetland hydrology prese Rationale for decision/remains Alignth Laure	arks:	(
stiguth low	ماء ب	wation							

SOILS							Plot ID:
Map Unit I	Name (Ser	ies and Phase) :			_Drainage Cl	ass	*
	alta	mont Cla	ing /		Field observ	ations confirm mapped	type? 🗌 Yes 🔲 No
Taxonomy	/ (subgroup)					
Profile Des	scription						
Depth		Matrix color	Mottle colors	Mot	tle abundance	Texture, concretions,	Drawing of soil profile
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size	and contrast	structure, etc.	(match description)
,0,2+	A	LOY R 3/3	4	و کی			
,0,2	-	LOY IE TES		•	C STONE OLD		-
Hydria Sai	I Indicators	: (check all that ap	volut)		1		·
1 -	Histosol	. (Clieck all that at	(piy)		Matrix chrom	ıa ≤ 2 with mottles	
] Histic Epipe	edon			Mg or Fe Co		
! —	Sulfidic Od					Content in Surface Layer	of Sandy Soils
_	-	ture Regime				aking in Sandy Soils	
	Reducing 0	Conditions				tional/Local Hydric Soils Li	st
	Gleyed or i	.ow-Chroma (=1) n	natrix		Other (explai	n in remarks)	
Hydric soi	ls present?	⊠ Ye	s 🔲 No				
Rationale fo	or decision/F	Remarks:					
Wetland D	eterminatio	<u>n</u>					
	cvegetation	present?	ØYes→ Ø No	;			;
Hydric soils	•		¥Yes-→ No				
1	drology pres		K Yes □ No				
		thin a wetland?	Yes No	<u>.</u>	7		
Rationale/	Remarks:	hydrology	very mar	مدم	w.V		
<u> </u>		J			· · · · · · · · · · · · · · · · · · ·		
	•						

alkali scald

Routine Wetland Determination 1987 Corps Wetland Delineation Manual

Project/Site: Colum	a P.P.			Date:	419/	10(
Applicant/owner: Reli	aut				County	: Col	usa	
Investigator(s): M.Lee	+ C.Lu				State:	CA		
		•			S/T/R:			
Do normal circumstances						unity ID:	D-2	
Is the site significantly dist		cal situation	Of the same and other	THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO PERSON NAMED	Transe			
Is the area a potential prob		0-	∠	_	Piot ID:			
Explanation of atypical or p				strology				
VEGETATION (For *strat	*Stratum	% cover	= snrub; = = Indicator	Dominant Plant Spec	ipe *9	Stratum	% cover	Indicator
Dominant Plant Species		2.0	Indicator	I ,	,		CS	OBL
Base ground	Ц	<u> </u>		legi sum latige	A latipe	1+	(3	001
Bromus mollis	 	60	M					
legiaeum natidium	(H	< 5	NL	<u> </u>				
Blow wives	H	< 5	FAC				<u> </u>	
Centruma solistation	4	10	NL					
Mairago polymorpha	H	435	W					
HYDROPHYTIC VEGETA	TION INDIC	<u> </u>	1 1				•	•
% of dominants OBL, FAC		〈 5						
Check all indicators that a		olain below:						
☐ Visual observation of p				siological/reproductive	adaptat	ions		
areas of prolonged inur				tland plant database	·			
☐ Morphological adaptat	ions		☐ Per	sonal knowledge of reg	ional pla	ant comm	nunities	
☐ Technical Literature			Oth	er (explain)				
Hydrophytic vegetation	oresent?	☐ Yes	₩ No					······································
Rationale for decision/Ren		<u> </u>	A					
HYDROLOGY		· · · · · ·				<u></u>		
Is it the growing season?	X Yes [∐ No		WETLAND	HYDRO	LOGY IN	NDICATOR	S
Based on: Soil temp	<i>i</i>	D)		Primary Indicators:				
Other (exp	lain)			Inundate				
Depth of inundation:		inches				per 12 Ind	ches	
Depth to free water in pit:	Ø	inches		☐ Water M				
Depth to saturated soil:		inches		_	nt Depos	sits		
Check all that apply & exp	lain below:			□ Drainag			tlands	
Stream, lake or gage of	data					_		
Aerial photographs				Secondary Indicator	•		uired): in Upper 12	lnohoo
☐ Other					tained L		in opper i	2 11101165
				_	oil Surve			
				☐ FAC-Ne	utral Te	st		
		:			Explain in	n Remark	(s)	
Wetland hydrology pres	ent? 🗓	X Yes	∏ No					
Rationale for decision/rem	arks: C	on hoof	prints	present				
	·							

SOILS	····					Piot ID:
1		ries and Phase)	:	Drainage C	lass	
Tavanam (altan	wont Clay		Field obser	vations confirm mapped	type? Yes No
	y (subgrou	ρ) 	1			
Profile De	scription			,		
Depth	 	Matrix color	Mottle colors	Mottle abundance	Texture, concretions,	Drawing of soil profile
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size and contrast	structure, etc.	(<u>match description</u>)
10''	A	1048 313		i. 1.	silty loam	_
					-	-
ļ	 					_
	}					
Hydric So	ii Indicators	: (check all that a	poly)		. 4	<u> </u>
_	Histosol		,	☐ Matrix chron	na ≤ 2 with mottles	
] Histic Epip			☐ Mg or Fe Co	oncretions	
1 -	Sulfidic Oc				c Content in Surface Layer	of Sandy Soils
	_ Aquic Mois] Reducing (sture Regime		F	eaking in Sandy Soils	-•
	_	Low-Chroma (=1) r	natrix	Other (expla	ational/Local Hydric Solis Li sin in remarks)	ŞI.
	ils present?	7,7	3.6	1 🗀 🔾 (6.0)	·	· · · · · · · · · · · · · · · · · · ·
Rationale f	for decision/f	Remarks:			·	
Wetland D	eterminatio	<u>n</u>				
Hydric soil:	ic vegetation	present?	☐ Yes ☐ No			
l -	s present: ydrology pre:	sent?	∑ Yes □ No			
1		ithin a wetland?	Yes XINO			
Rationale/	Remarks:		7			
				·•		
L	•					
NOTES:	Tre 7.					
.,.,	Levall	of D-1	+ 12 -0 a	re almost t	he sance.	Revised 3/01
	alth	ongly There i	s more up	land regetation	~ in P-a	- भक्त राज्य का <i>भाषि</i> ।
			•	0	- ·	

 $X: \exists x_env_permit Permit Templates \\ Wetland Delineation Info Wetland_data_form (3-01), document for the permit

alkali scald

Project/Site: Column P	ρ				Date: 419	lor	
Applicant/owner: Delian	,				Date: 479 County: Colu	40	
Investigator(s): C.Lu, A	uot Allaa			İ	State: CA		
J	4, Le e	······································			S/T/R:		
Do normal circumstances	exist on the	site?	X	Yes 🔲 No	Community ID:	: ∦-1	
Is the site significantly dist		cal situation	n)?	X No.	Transect ID:	.*	
Is the area a potential prol		Bac Baba∵sa.	X,	Yes To	Plot ID:		
Explanation of atypical or		_	-	dramace			
VEGETATION (For *stra				•			
Dominant Plant Species	*Stratum	% cover	Indicator	Dominant Plant Speci	es *Stratum	% cover	Indicator
Bare ground	94	80	<u> </u>	bolium multi floren	1 12	<u> 55</u>	FAC
Plagioupthrys stippettate	s H	lo	DBL	рекни	H		
amdium botres	4	45	NL	Hordeum marion	n Fl	<5	#AC
lapidium latipes latio	и н	5	084	Plantage cornelled	V 5	5	FAZ
CANADA KLADA LOS	H						
Covole this The Aringium	14	(5	FACW:				
HYDROPHYTIC VEGETA	TION INDIC	ATORS:	l		•		
% of dominants OBL, FAC	W, & FAC:						
Check all indicators that a	pply and exp	lain below:					
☐ Visual observation of p				siological/reproductive	adaptations		
areas of prolonged inui		ration	☐ Wet	land plant database	·		
Morphological adaptat	ions		☐ Pers	sonal knowledge of regi	onal plant comn	nunities	
Technical Literature			☐ Oth	er (explain)			
Hydrophytic vegetation (present?	√ Yes	□No		-		
Rationale for decision/Ren	narks:	~					
HYDROLOGY							
Is it the growing season?	☐ Yes 【	☑ No		WETLAND	HYDROLOGY I	NDICATOR	is
Based on: Soil temp		7		Primary Indicators:			
Other (exp	·	•		☐ Inundate			
Depth of inundation:	•	inches			d in Upper 12 In	ches	
Depth to free water in pit:		inches		☐ Water Ma			
Depth to saturated soil:		inches		1 ===	s t Deposits		
Check all that apply & exp	lain below:			<u> </u>	Patterns in We	tlands	
Stream, lake or gage o	lata						
Aerial photographs	(2 or more Req						
Other					Root Channels ained Leaves	in Upper 12	2 inches
				<u> </u>	I Survey Data		
				FAC-Neu	-		
				<u></u>	plain in Remarl	ks)	
Wetland hydrology prese	ent?	Yes [] No				
Rationale for decision/rem	arks: رسما	onints i	resent	in area			
		, ,		¥4	<u> </u>		

SOILS							Plot ID:
Map Unit		ries and Phase):			Drainage Cl	ass	
_	altan	mont Clay	}-		Field observ	ations confirm mapped	type? 🔲 Yes 🔲 No
Laxonom	y (subgroup	o) -	•				
Profile De	scription						
Depth		Matrix color	Mottle colors	Mot	tle abundance	Texture, concretions,	Drawing of soil profile
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size	and contrast	structure, etc.	(<u>match description</u>)
10"	Α	10123/z	12-14-1			ن باد - دامه - داری	
<u> </u>	1'	1 77 77			7	very ne	Line L
						, , ,	T
				-			1
	<u> </u>						
Hydric Soi	I Indicators	: (check all that ap	iply)			· · · · · · · · · · · · · · · · · · ·	
] Histosol				Matrix chrom	a ≤ 2 with mottles	
] Histic Epipe		·		Mg or Fe Co		
-] Sulfidic Od					Content in Surface Layer	of Sandy Soils
] Aquic iviols] Reducing (ture Regime				aking in Sandy Soils	_4
	_	_ow-Chroma (=1) n	natrix		Other (explai	tional/Local Hydric Soils Li. n in remarks)	St
	is present?	₩ Ye	s X No		Other (explain	ii iii temarks)	
	or decision/F	Remarks:					
Wetland D	eterminatio	<u>n</u>				· · · · · · · · · · · · · · · · · · ·	
Hydrophytic	c vegetation	nresent?					
Hydric soils	-	present:	ZaYes ZaNo				
	drology pres	ent?	Yes No				
Is the samp	oling point wi	thin a wetland?	Yes □ No				
Rationale/	Remarks:						
Pr	ن + ح ونا	is very hourd				HR	
	_					· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·							

alkali scald

D:10'4				•					
Project/Site: Column	ρ. ρ.					Date	4191	(0)	
Applicant/owner: pulia	nt					1	inty: Colu	Sex	
investigator(s): ديار	M. Lee			State: CAS S/T/R:					
Do normal circumstances e	xist on the	site?	B .	Yes 🔲 I	Vo.	Con	nmunity ID:	A-2	
Is the site significantly distu	rbed (atypi	cal situation	1)?	Yes X	yo.	Trar	nsect ID:	,,	
Is the area a potential probl	em area?		" · 💆	Yasa 🔲 🗎	Vo ~	Plot	ID:		
Explanation of atypical or pr	roblem area	a: Deason	Committee to Miletal How you	1. PA.S.	^sa_				
VEGETATION (For *strata	, indicate T	「 = tree; S =	= shrub; H =	= nerb; V = v	ine)				
	*Stratum	% cover	Indicator	Dominant I	Plant Spec	ies "	*Stratum	% cover	Indicator
Blow wives mollis	н	<5	FAC	leadium	aga tip	to		45	OBL
Bromus hordeations	H	35	SACU-	, ,	•				
Pantago corniculata	H	45	FAC						<u> </u>
Metacoro polimornia	Ŋ	\ 5	M						
Endium bothys	H	< 5	NL					,1	
Ban ground		10	7						
HYDROPHYTIC VEGETAT	ION INDIC	ATORS:	•	<u> </u>				· · · · · · · · · · · · · · · · · · ·	1
% of dominants OBL, FACV	V, & FAC:								
Check all indicators that app		lain below:							
☐ Visual observation of pla	-			siological/re	productive	adao	tations		
areas of prolonged inunc				land plant da					
Morphological adaptation	ns			sonal knowle		ional	plant comm	unities	
Technical Literature				er (explain)		,			
Hydrophytic vegetation pr	esent?	Yes	No						
Rationale for decision/Rema		PQ 1.50							
		<u> </u>							· · · · · · · · · · · · · · · · · · ·
HYDROLOGY	⊠ Yes [∏Nο			VETI AND	HVD	DOLOGY 16		
Is it the growing season? Based on: Soil temp (r	4	-				יטזח	ROLOGY IN	IDICA LOR	0
Other (expla	•	")		Primary In	dicators. Tinundate	ad a			
		inahaa		┥╶┌	_		Jpper 12 Inc	hes	
Depth of inundation: Depth to free water in pit:	Ø	inches inches			Water N		- 		
· ·	2				🛚 Drift Line	es			
Depth to saturated soil:		inches		- [] Sedimei	nt Dep	osits		
Check all that apply & expla				\ \^\x	🛚 Drainag	e Patt	erns in Wet	lands	
Stream, lake or gage da	ta								
Aerial photographs							r more Requ		
☐ Other				}			Channels i	n Upper 12	Inches
				<u> </u>	_		Leaves		
] FAC-Ne		vey Data		
					_			a)	
Motional hudeology pro	.+2 1	f ves r		<u> </u>		vhiqii	in Remark	<i>ગ</i>)	
Wetland hydrology preser	7	√ Yes [∏ No						
Rationale for decision/rema	INS.								

SOILS				8.		Plot ID:				
Map Unit	Name (Se	eries and Phase) :	:	Drainage Cl	ass					
	Oltan	sut Clay	¢.	Field observ	ations confirm mapped	type? 🔲 Yes 🗌 No				
Taxonom	y (subgrou	p) 🦥 💮			÷	•				
Profile De	scription] ·	% ¢	·	·				
Depth		Matrix color	Mottle colors	Mottle abundance	Texture, concretions,	Drawing of soil profile				
(inches)	Horizon	(Muntell moist)	(Munsell moist)	size and contrast	structure, etc.	(match description)				
Stl	A.	1042 4/2	254-44	Carried States						
		1047-1172	2		Silty loam	-{				
<u></u>	+		1			-				
		* * *								
		• 0								
Hydric So	il Indicator	i s: (check all that ap	l	<u> </u>	<u> </u>					
	∃ Histosol	or (orroott air arat a	-P-) /	□ Matrix chrom	na ≤ 2 with mottles					
_	_] Histic Epip	pedon 🌋		Mg or Fe Co	· .					
	Sulfidic O	dor		11/	Content in Surface Layer	of Sandy Soils				
[☐ Aquic Moi:	sture Regime			aking in Sandy Soils	•				
E	Reducing	Conditions		Listed on Na	tional/Local Hydric Soils Li	st				
··		Low-Chroma (=1) r		Other (explain	in in remarks)					
· -	ils present?	77	es 💢 No							
Rationale 1	for decision/	Remarks:	· · · · · · · · · · · · · · · · · · ·			·				
Wetland E	<u>Determination</u>	<u>on</u>								
			—							
	ic vegetation	present?								
	s present? ydrology pre	cant?	Yes ∑No. Yes □ No.		• •					
		vithin a wetland?	Maries ☐ No							
Rationale/		min a manaria.	13 100		·					
					. "	, <u></u>				
					· ·					
 -				-						
NOTES:		alkali	Acald							

Project/Site: Column	o p					Dat	e: 419/6	- (
Applicant/owner: Pelian					County: Column				
I						Sta			
ا الماد (s): الماد الماد (nvestigator(s)	M. Lee					S/T			
Do normal circumstances	exist on the	site?	727,	Yes ☐ No Community ID: ♣-4					*** ****
Is the site significantly dist	urbed (atypi	cal situation	n)? 🗀 \	Yes ☑ No Transect ID:					
is the area a potential prob	,			= 1					
Explanation of atypical or p		a: . M asov	ul du	amora	<u>e</u> .				
VEGETATION (For *strat		_		herb; V	= vine)				
Dominant Plant Species	*Stratum	% cover	Indicator		int Plant Spec	ies	*Stratum	% cover	Indicator
A chyradiaena Blow wiver mollis	_	4 5	FAC		•		-		
i.,	i)	10 %							
bare ground	H		1.1.1						1.
Centaurca solistatus		50 %		<u> </u>	·			<u> </u>	
Bromus hert	И	€ 40°	35 NL	<u> </u>					
Hordrum maninum	14	A60 (5	tre						
			}	i					
HYDROPHYTIC VEGETA	TION INDIC	ATORS:							
% of dominants OBL, FAC	W, & FAC:	L5							
Check all indicators that ag	oply and exp	lain below:			•				
☐ Visual observation of p				siologica	/reproductive	adap	otations		
areas of prolonged inur	ndation/satu	ration	☐ Wet	iand pian	ıt database				
☐ Morphological adaptati	ons		☐ Pers	sonal kno	wledge of reg	ional	plant comm	unities	
Technical Literature			☐ Othe	ər (əxplai	n)				
Hydrophytic vegetation p	resent?	☐ Yes	⊠ No						
Rationale for decision/Ren			A						
								·	<u></u>
HYDROLOGY		-1						!	
ts it the growing season?	,	Х				HYD	ROLOGY IN	IDIÇATOR	S
Based on: Soil temp (-))		Primar	y Indicators:	٠d			
Other (exp	iain)	to a board		-			Upper 12 Inc	ches	,
Depth of inundation:	Ø	inches			☐ Water M		OPPO . 12		
Depth to free water in pit: Depth to saturated soil:	1	inches inches			Drift Line				
Check all that apply & expl	ain bolows	nicites		1	Sedimer		-		
Stream, lake or gage d					⊠ Drainage	e Pat	terns in Wet	lands	
Aerial photographs	aia			Second	dary Indicators	s (2 c	or more Reg	iired).	
Other				1 0000111	<u></u>	-	t Channels	,	! Inches
						d Leaves			
							rvey Data		
					FAC-Net				
Water de boule la monte de la constant		l Vac -	7 No.	1	Utner (E	xpiai	n in Remark	5)	<u>-</u>
Wetland hydrology press	ent?	Yes [www.	_ №0						
Rationale for decision/rem	aiks: Cor	v droops	rents						
		V /	-						

SOILS							Plot ID:
Map Unit I	Name (Sei	ries and Phase):	Drainage Class				
1 a	ltamo	out Clay			Field observ	ations confirm mapped	type? 🗌 Yes 🗌 No
Taxonomy	(subgroup	o)					
Profile Des	cription						
Depth		Matrix color	Mottle colors	Mot	tle abundance	Texture, concretions,	Drawing of soil profile
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size	and contrast	structure, etc.	(match description)
8"	A	LOYR 3/2		EAR		sitty loans	
	•						
					<u> </u>		
					<u> </u>	<u> </u>	
-		: (check all that ag	opiy)		D Adadaise abasan	< 0	
] Histosol	a dom	Matrix chroma ≤ 2 with mottles				
] Histic Epip] Sulfidic Od		☐ Mg or Fe Concretions ☐ High Organic Content in Surface Layer of Sandy So			of Candy Sails	
		sture Regime	☐ Organic Streaking in Sandy Soils			or Sandy Soils	
_	Reducing (-		☐ Listed on National/Local Hydric Soils List			ist
	_	Low-Chroma (=1) r	natrix	, — ·			101
	ls present?				[_ outer (explain		
, -	or decision/f		5				
Wetland D	eterminatio	<u>on</u>					
Hydrophytic	c vegetation	present?	∕2⁄Yes ⊠No	1			
Hydric soils	-		Yes \No)			
	drology pres	sent?	X Yes □ No				
Is the samp	oling point w	ithin a wetland?	☐ Yes ☐ No)			
Rationale/	Remarks:						
							· ·

alkali Scild

NOTES: If re: area B+C alkali Scald

Revised 3/01

Threas B+C were recorded by 6PS. They are Expanded by a good but were once part of The Dame Vernal pool.

Project/Site: Column	P. P.				Dat	e:	4/9/0	
Applicant/owner: Keli			inty: Col	-	,			
Investigator(s): C.Lu,		Sta	•					
	N				S/T	/R:		
Do normal circumstances	exist on the	site?	<u> </u>	Yes 🗌 No	Cor	nmunity ID:	D - (<u>-</u>
Is the site significantly dist	:urbed (atypi	cal situation	1)?៵ 🛄 🕽	Yes Yes	Tra	nsect ID:	ν· 1	
Is the area a potential prol		Ĭ.		Yes No	Plot	t ID:		
Explanation of atypical or	problem are:	a: Seas	onal hy	drology				
VEGETATION (For stra	ta, indicate 7	Γ = tree; S =	= shrub; H =	= herb; V = vine)				
Dominant Plant Species	*Stratum	% cover	Indicator	Dominant Plant Spe	cies_	*Stratum	% cover	Indicator
Bare ground	H	50		Bromus moles	<u> </u>		< 2	NL
Lepidium latipes la	ien H	49 25	86	Por annua			~ 5	PARW
Erodium Kators	H	(5	NL	Polygonen sp.	 _		<i><</i> 5	
Plantago comiculata		15	FAC	Magiobothy (stip)	tautus 12		E	OBL
Coyofe Thiste	lium f	< 5	FALW			<u>'</u>	plotbut	in the
Medicae polymorph	as H	75	M			area	·	
HYDROPHYTIC VEGETA	TION INDIC	ATORS:	1 			<u> </u>	·	٠,
% of dominants OBL, FAC	W, & FAC:	25065	D%, ov	501.				
Check all indicators that a		·						
☐ Visual observation of p				siological/reproductive	adap	tations		
areas of prolonged inur		ration		land plant database	·			
Morphological adaptati	ions		☐ Pers	sonal knowledge of re	gional	plant comm	unities	
Technical Literature			☐ Othe	er (explain)				
Hydrophytic vegetation p	oresent?	Yes	□No			.,,	 -	· · · · · · · · · · · · · · · · · · ·
Rationale for decision/Ren	narks:	Γ						
HYDROLOGY		· ···					 	=
Is it the growing season?	☐ Yes - 🔽	√No.		WETLAND	HVD	ROLOGY IN	IDICATOR	<u> </u>
Based on: Soil temp (,	1		WETLAND HYDROLOGY INDICATORS Primary Indicators:				
Other (exp		,		☐ Inundat	ed			
Depth of inundation:		inches				Jpper 12 Inc	hes	
Depth to free water in pit:	D	inches		☐ Water N				
Depth to saturated soil:		inches		Drift Lin			/	per.
Check all that apply & expl	ain below:			☐ Sedime		oosiis erns in Wetl	> shael	\\
Stream, lake or gage d	ata			7	0 1 4		103	
Aerial photographs				Secondary Indicator	s (2 o	r more Requ	uired):	
☐ Other						t Channels i	n Upper 12	? Inches
				_		Leaves		
				☐ Local Si		vey Data		
				<u> </u>		i est 1 in Remark:	e)	
Wetland hydrology prese	ent?	Yes [☐ No	I Cirioi (E	Apiaii	i ii i ternark	3)	
Rationale for decision/rema	arks:	•	_					
	cow h	ord print	7, Slight	depressed area	NX	too he	ncel	۵
		<u>_</u>		· '		•	C-C-C-3	r

SOILS							Plot ID:
Map Unit	Name (Se	ries and Phase):			Drainage Cl		
_	alta	mont Clay			Field observ	ations confirm mapped	type? 🗌 Yes 🗌 No
Taxonomy	y (subgrou	p) ,	_				
Profile De	scription					•	
Depth		Matrix color	Mottle colors	Mot	tie abundance	Texture, concretions,	Drawing of soil profile
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size	and contrast	structure, etc.	(match description)
~8	A	1048 3/3			The state of the s	silty loam	
				•		t	
		<u> </u>					-
							,
							7
Hydric Soi	l it Indicators	: (check all that a	l(vlac		<u></u>	<u> </u>	
_	Histosol	(01/00/10/11/21/21/21/21/21/21/21/21/21/21/21/21/	2.1		Matrix chrom	na ≤ 2 with mottles	
	-] Histic Ep i p	edon	☐ Mg or Fe Concretions				
· [] Sulfidic Od	dor	High Organic Content in Surface Layer of Sandy Soils			of Sandy Soils	
] Aquic Moi:	sture Regime	Organic Streaking in Sandy Soils				
] Reducing	Conditions	Listed on National/Local Hydric Soils List			ist	
] Gleyed or	Low-Chroma (=1) r	matrix Other (explain in remarks)				
Hydric soi	ls present?	' ∑ Y€	es 🔀 No				İ
Rationale f	or decision/	Remarks:					
Wetland D	eterminatio	<u>on</u>					
List of residents	aaactati	oronont?	127 Yes □ No				
Hydric soils	c vegetation	i hieseuri	Yes □ No				
_	drology pre	sent?	Yes No		1		
i	_	rithin a wetland?	Yes No				
Rationale/							
						ν.,	
					<u> </u>		
						,	

MKaling soils

Project/Site: Coluz Applicant/owner: Deli	raf.P.					Dat	te: 4/10/	8 }	
Applicant/owner: Del	aut					Col	te: 4/10/ unty: Coleu	2-1 92	
Investigator(s):	M.La					Sta		- 50	
U.L.	1 101.100					S/T	<u>/R:</u>		
Do normal circumstances	exist on the	site?	₩.	Yes	□No	Coi	nmunity ID:	F(
Is the site significantly dist	urbed (atypi	cal situatiof	5)*?**********	es 🚾	Z No.	Tra	nsect ID:	•	
Is the area a potential prof	olem area?		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Yes	□No	Plo	t ID:		
Explanation of atypical or	problem are:	a: Ocas	onal,	dia	inaro o				
VEGETATION (For *stra	ta, indicate 🤊	T = tree; S =	= shrub; H =	= herb;	V = vine)				
Dominant Plant Species	*Stratum	% cover	Indicator	Domi	nant Plant Spec	ies	*Stratum	% cover	Indicator
Plantago correlata	14	100 50	FAC	bar	e ground			19 (5	
epidium latiposlatio	es. H	20	OBL				<u>.</u>		
Horden nationslation	H	1 10	NL	<u> </u>					
Chamanilea occident	€>> H	<5	N						
shapard's purse	Н	(5	NL	:					
Wirm pereune	(4)	(5	FAC						
HYDROPHYTIC VEGETA	TION INDIC	ATORS:	,			-			<u> </u>
% of dominants OBL, FAC	W, & FAC:	70							
Check all indicators that ap	oply and exp	lain below:							
☐ Visual observation of p	lant species	growing in	☐ Phy	siologic	cal/reproductive	adap	otations		
areas of prolonged inur		ration		land pl	ant database	·			
☐ Morphological adaptati	ons		☐ Pers	sonal k	nowledge of reg	ional	plant comm	unities	
Technical Literature				er (exp.	-		•		
Hydrophytic vegetation p	resent?	X Yes	□No				<u>-</u>		
Rationale for decision/Ren		yat							
HYDROLOGY		.					· · · · · · · · · · · · · · · · · · ·		
Is it the growing season?	☐ Yes X	No			WETLAND	HYD	ROLOGY IN	DICATORS	 S
Based on: Soil temp (_		Primary Indicators:					
☐ Other (exp	•	•		Inundated					
Depth of inundation:		inches		Saturated in Upper 12 Inches					
Depth to free water in pit:		inches			☐ Water M				
Depth to saturated soil:		inches			Drift Line				
Check all that apply & expl	ain below:				☐ Sedimer			o mada	
Stream, lake or gage d					Dramage	י רבו	terns in Wetl	arius	
Aerial photographs				Seco	ndary Indicators	: (2 o	r more Real	iired):	
☐ Other						-	t Channels i	•	Inches
					☐ Water-St				
							vey Data		
					☐ FAC-Net				
			4	<u> </u>	Other (E	xplair	in Remark	s)	
Wetland hydrology prese	nt?	Yes	No			_			
Rationale for decision/rema	arks: Julo	a on de	scope.	Nº C	on hoofer	mts			
Marriage					<i>V •</i>				

SOILS							Plot ID:
Map Unit I	Name (Ser	ries and Phase) :			Drainage Cla	ass	
' (Utam	out Clan			Field observa	ations confirm mapped	type? 🔲 Yes 🔲 No
Taxonomy	/ (subgroup	out Clay					
Profile Des	scription						
Depth		Matrix color	Mottle colors	Mot	tle abundance	Texture, concretions,	Drawing of soil profile
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size	and contrast	structure, etc.	(match description)
5	А	104/2 3/3	10	2.1	ا است		
	<u></u>	1 10415 213				<u> </u>	
							j
	· · · · · · · · · · · · · · · · · · ·						-
						<u> </u>	_}
11		. (abaak allabas as	- h · l				
	i indicators] Histosol	: (check all that ap	ply)		Natriy ahram	a ≤2 with mottles	
	i ⊟istosoi] Histic Epip∈	edon			l 		
	Sulfidic Od		☐ Mg or Fe Concretions ☐ High Organic Content in Surface Layer of Sandy Soils				of Sandy Soils
. –		ture Regime	Organic Streaking in Sandy Soils				
	Reducing (-			l	tional/Local Hydric Soils Li	st
_	_	_ow-Chroma (=1) r	natrix		Other (explain		
	ls present?	☐ Ye					
Rationale fo	or decision/F	Remarks:					
Wetland D	eterminatio	n					
	c vegetation	present?	Yes 🔲 No				
Hydric soils	-		Yes W				
_	drology pres		Yes ☐ No				
		ithin a wetland?	☐ Yes 🔯No	•			
Rationale/	Remarks:		-				
			· · · · ·				
				····-			
			-			,	

ground very hard, alkali scald

Project/Site: Columa P.P. Applicant/owner: Paliant Investigator(s): C.L.M., M. Lee	Date: 4 (10/0) County: Column State: CA						
	Plot ID:						
<u>VEGETATION</u> (For *strata, indicate T = tree; S = shrub; H = herb; V = vir <u>Dominant Plant Species</u> *Stratum % cover Indicator Dominant P							
Convintas arversos H 10 jul Porgaphon ersp. Commy H 3035							
HYDROPHYTIC VEGETATION INDICATORS: % of dominants OBL, FACW, & FAC:	bare ground 45%						
☐ Visual observation of plant species growing in areas of prolonged inundation/saturation ☐ Wetland plant da	areas of prolonged inundation/saturation Morphological adaptations Personal knowledge of regional plant communities Other (explain)						
Rationale for decision/Remarks:							
Based on: Soil temp (record temp) Other (explain) Depth of inundation: inches Depth to free water in pit: inches Depth to saturated soil: inches Check all that apply & explain below: Stream, lake or gage data Aerial photographs Other	WETLAND HYDROLOGY INDICATORS Primary Indicators: Inundated 36 10 10 10 10 10 10 10 1						
Wetland hydrology present? Rationale for decision/remarks:	Other (Explain in Remarks)						

SOILS							Plot ID:	
Map Unit Name (Series and Phase): Mtaynont (Jac) Taxonomy (subgroup)				Drainage Class Field observations confirm mapped type? Yes N				
Profile De	scription]					
Depth		Matrix color	Mottie colors	Mot	tle abundance	Texture, concretions,	Drawing of soll profile	
(inches)	Horizon	(Munsell moist)	(Munsell moist)	size	and contrast	structure, etc.	(match description)	
10	A	10YR 3/2					4	
] Histosol] Histic Epipe] Sulfidic Od] Aquic Mois] Reducing (or sture Regime Conditions Low-Chroma (⇒1) r	natrix		☐ Mg or Fe Co☐ High Organic☐ Organic Stre☐ Listed on Na	na ≤ 2 with mottles encretions c Content in Surface Layer eaking in Sandy Soils ational/Local Hydric Soils L in in remarks)		
I -	for decision/F	-	ruotting					
Wetland D	eterminatio		11.9					
Hydrophyti Hydric soil Wetland hy	c vegetation s present? /drology pres pling point wi	present?	☐ Yes ☑ No ☐ Yes ☑ No ☑ Yes ☐ No ☐ Yes ☐ No))	T- W.			
								
NOTES:	The si	the is a low	o drawage ten kali kal	o. d	ea too n	ins to alarger	Revised 3/01	

APPENDIX H2 NATURAL DIVERSITY DATA BASE SURVEY FORMS

California Natural Community Field Survey Form

Mail to:

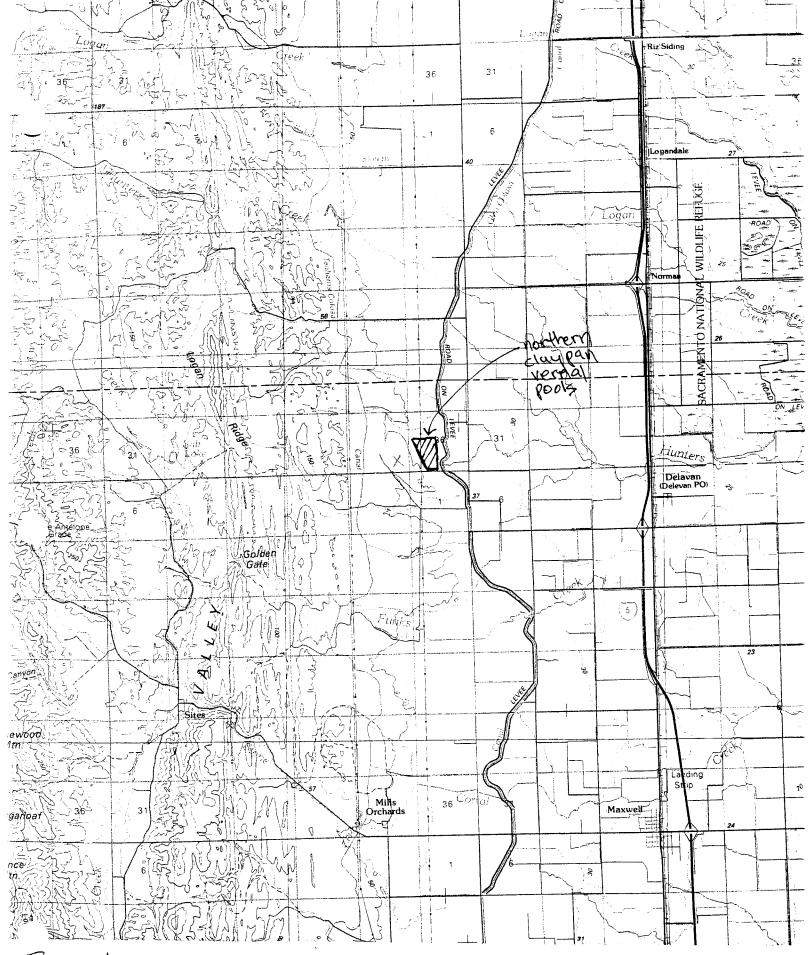
Natural Diversity Data Base California Dept. of Fish and Game 1416 Ninth Street Sacramento, CA 95914 (916) 324-6857

Source Code	For office use only	Quad Code
Community Code		Occ #
Map Index #	Update	YN

Please provide as much of the following

needed.	5 minute series) showing the site's locat	ion and boundaries. Use the back if
Community name: Northern Cl	aypan Vernal Pool	
Reporter: Jonathan Steam Affiliation and Address URS Corp Date of field work: March-June Location (Please attach/submit no How PG: E Compressor S	Son 17th St. Suite 200, Oak 2001 County: 1ap): located between the tation	Glenn-Colusa Canal and
Landowner/Manager: Elevation: 130 Feet Aspect: Site acreage: Evidenc	Slope (indicate % or °)_e of disturbance/threats: <u>SOMP evic</u>	Photographs: Slide - Print & Drainage: Jence that herbicides may
Any Special Plants or Animals present:	aline vernal pool complex surrestation. some mima-mound to California ground squirrels, clam and horned bark observed	shrimp, appher snake observed
Successional status/Evidence of regene	ration of dominant taxa:	
Overall site quality: Excellent Good Basis for report: Remote imageBind Windshield survey Brief walk-thru Relevé: In the space below, indicate ea	ocular/Telescopic survey	growth form categories:
<u>Trees</u>	<u>Shrubs</u>	Herbs/Graminoids Callitriche marginata Descrampsia danthoniodes Powningia insignis Eryngium vasey: Gratiola heterosepala Juncus bufonius Lasthenia fremortii Lilara scillaides Limnanthes douglasii

Trees	Shrubs	Herbs/Graminoids Lythrum hyssopifolium Pilularia americana Pogogyne Zizyphoroides Psilocarphus brevissimus Tillaea aquatica

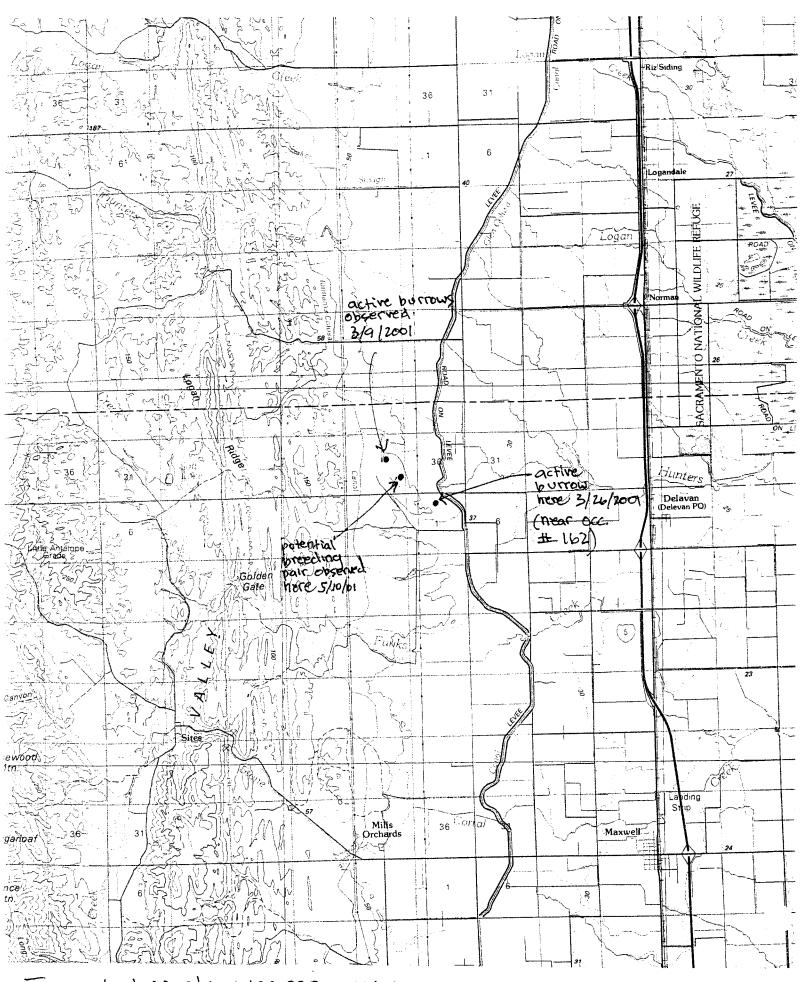


From Lakeport 1:100,000 Usus topo

California Native Species Field Survey Form

Mail to: Natural Diversity Database For Office Use Only California Department of Fish and Game Source Code _____ Quad Code _____ 1416 Ninth Street, 12th Floor Sacramento, CA 95814 Elm Code _____ Occ. No. _____ Date of Field Work: <u>5</u> - 10 - 2001 EO Index No. ____ Map Index No. ____ month day Athene curicularia hypogeci Scientific Name: western burrowing owl Common Name: Species Found? X □ yes no Reporter: Jonathan Stead If not, wny? Total No. Individuals 2 οω\6 Subsequent Visit? X yes I no Address: URS Corp., 500 12+4 St Suite 200, Is this an existing NDDB occurrence? A no unk CA 94407 Collection? If yes: Phone: (510) 674-1780 Number Museum / Herbarium Plant Information Animal Information Age Structure: # juventies # unknown Phenology: % vegetative % flowering 図 burrow site rockery nestino preeding wintering Location (please also attach or draw map on back) horrows located just west of the Poil Compressor Station Quad Name: 5Hes 7.5'08(FS Elevation: 190 feet T 16N R 4W NO 1/4 of 50 1/4 of section 35 T R 1/4 of ____ 1/4 of Section ___ UTM: Zone: __\O ____(10, 11) Datum: ___ ____(NAD83,NAD27,WG584, other) Source: Using 7.5 Good (GPS, map & type, etc.) GPS Accuracy Point: (circle one) <80m <150m UTM Coordinates 43 56 000 N 5 64 000 E Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope)
rolling nills, annual grassland habitat at transition between Valley floor and low Coast
Range foothills, dominant plant species include Contaura solstialis, Tarnia thernum caput medicar
Annual foothills. Avenaspp. Bromus diandrus, Fradium bottys and beranium dissectum. Two owls observed occupying burrows (z entrances) likely dug by coyotes. Based on time of observation and behavior of ouls, assumed to be a breeding pair.
Other rare species? because the second of the contract of the c Other rare species? horned lark in vicinity Site Information Overall site quality:

Excellent ☑ Good ☐ Fair Current/surrounding land use: cattle grazing, next to PGZ E Compressor Station Visible disturbances / possible threats: development of a proposed power plant Comments: Other active burrous observed in vicinity during spring 2001, including I forments: burrow in TITN, RYW, section I (previously docomented occ. # 162) and a few active burrows in same section (35), sw by of nebyl of section 35. Photographs: (check one or more) Print Keyed (cite reference): Plant / animal Compared with specimen housed at: ___ Habitat 巫 Compared with photo / drawing in: _ Diagnostic feature x By another person (name); Corinna W & Janathan Stead x Other recognized from Dast experience



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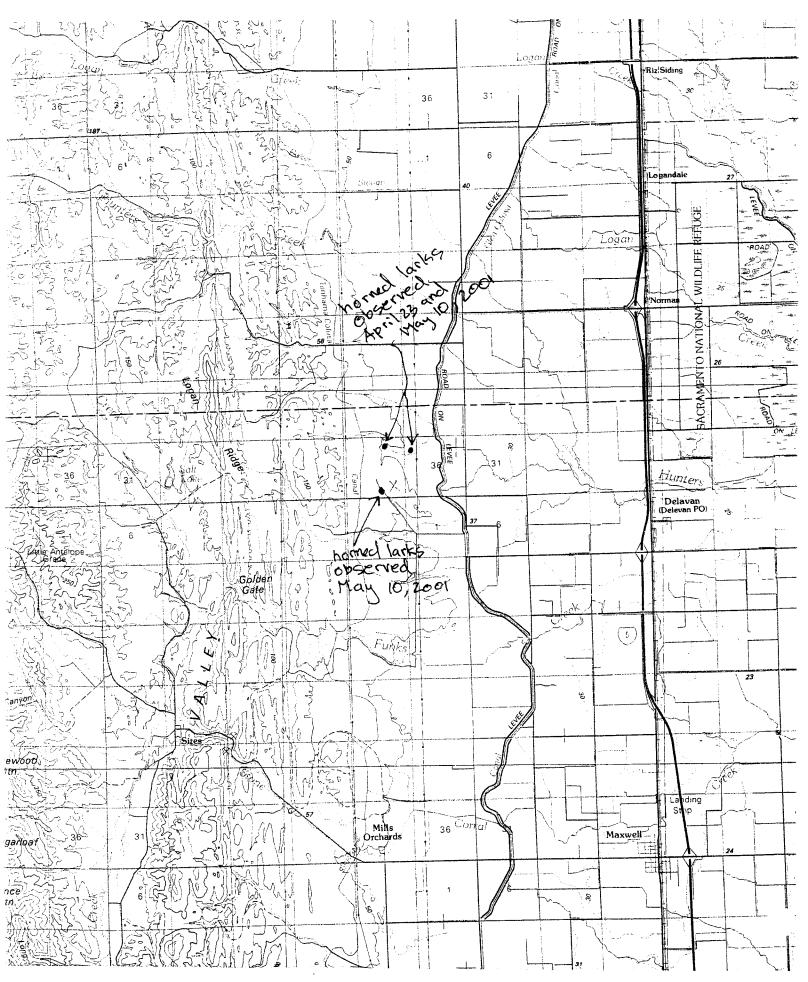
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Mail to: Natural Diversity Database For Office Use Only California Department of Fish and Game Source Code _____ Quad Code _____ 1416 Ninth Street, 12th Floor Sacramento, CA 95814 Elm Code _____ Occ. No. ____ EO Index No.____ Map Index No.___ Scientific Name: Eremophilia algestris Common Name: California horned lark Species Found? 🐧 🛛 Reporter: Jonathan Stead if not, why? Total No. Individuals <u>→ IO</u> Subsequent Visit? A yes □ no Address: URS Corp. 500 12th St Suite 200 is this an existing NDDB occurrence? ▼ ▼ no □ unk. Oakland, CA 94607 Collection? If yes: Phone: (510) \$74-1780 Museum / Herbarium Number Plant Information Animal Information 10 Age Structure: # juveniles # URKNOWN Phenology: # agults , \square % vegetative % flowering % fruiting CKEDY 1: Hely Location (please also attach or draw map on back) normed larks observed north and west of PGIE compressor Station, at various locations in the eastern 1/2 of section 35 County: Coluga Landowner / Mgr.: Quad Name: Sites 7,5' USIFS Elevation: T <u>18 N R 4 LA _____ 1/4 of ____ 1/4 of Section 35 </u> T ____ R _____ 1/4 of ____ 1/4 of Section ___ UTM: Zone: (10, 11) Datum: ___ ____(NAD83,NAD27,WG584, other) Source: <u>١٧٥٥ ٦.५' ઉપન્</u>ৰ (GPS, map & type, etc.) GPS Accuracy Point: (circle one) <80m <150m <300m UTM Coordinates 43.58.000 N 564.000 E Habitat Description (plant communities, dominants, associates, substrates/solls, aspects/slope) homed larks mostly observed in more alkali portions of annual grasslands in low rolling hills and flats of transition area between Valley floor and low coast Range foothills.

Acquisops triuncialis, Atriplex fruticulesa, Crassul, sp., Cressa trux: Pensis, Ecod. um botrys, Plantago coronopus, spergularia nubra and Trifolium hirtun. Other rare species? burrowing owl in immediate vicinity Site Information Overall site quality:

Excellent ∭ Good ☐ Fair Current/surrounding land use: grazing cattle, next to PUIE Compressor Station Visible disturbances / possible threats: potential habitat loss due to proposed power plant comments: multiple observations. no nest observations, but based on mination: (check one or more, and fill in blanks)

X Keyed (cite reference): Stakes Field (funde to Birds: Western Person Slide Photographs: (check one or more) Print Plant / animal Compared with specimen housed at: _ Habitat <u>X</u> Diagnostic feature Compared with photo / drawing in: _ By another person (name): (orinna LU & Jonathau Stead



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Date of F			**************************************	26 (6)
Date of F	eig wor			
A \$400 A \$500 A \$600 A				year 🧪

Compared with specimen housed at: .

By another person (name): Corinna Lu: Toughan

Compared with photo / drawing in: _

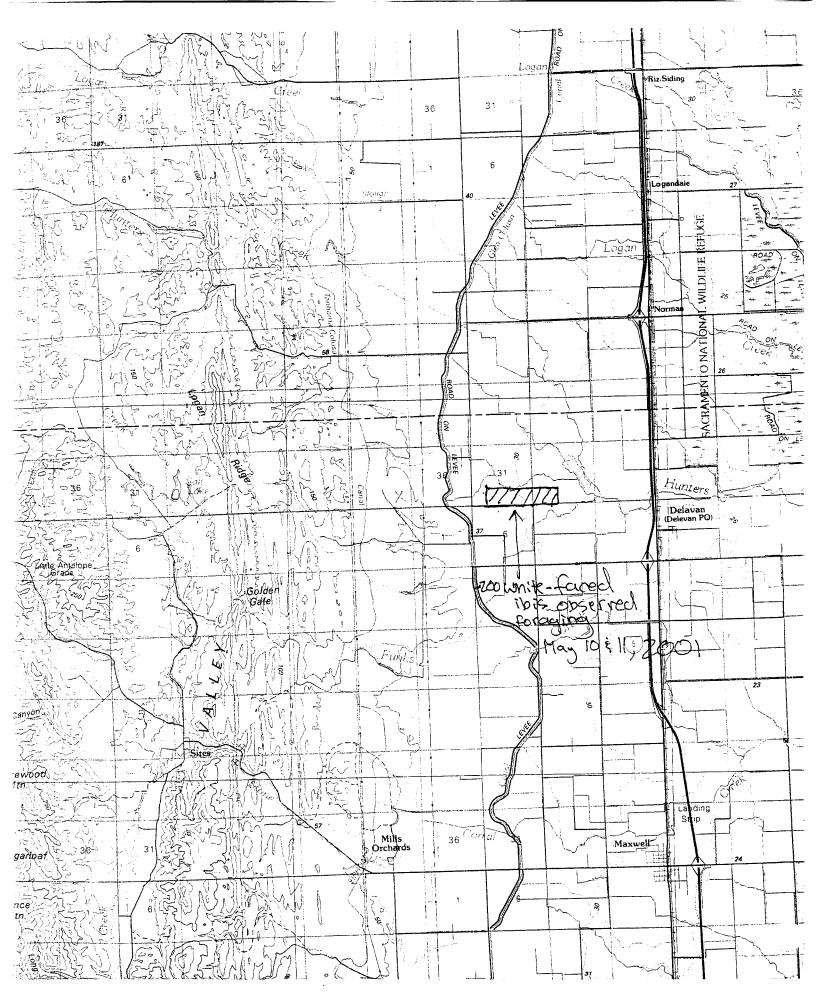
		•
	For Office Use Only	
Source Code	Quad Code	
Elm Code	Occ. No	
EO Index No	Map Index No	

Habitat

Diagnostic feature

May we obtain duplicates at our expense? ☐ yes ☐ no

Scientific Name: Plegadin Chihi	
common Name: White-Faced ibis	
Species Found? Da	Reporter: Jonathan Stead Address: URS Corp., 500 12th St. Suite 200, Dakland, CA 94607 Phone: (S10) 874-1780
Plant Information Phenology: % vegetative % flowering % fruiting	Animal Information Age Structure: 200 # juveniles # unknown breeding wintering burrow site rookery nesting other
Location (please also attach or draw map on back) 200 white-faced 1bis observed foraging over a 2 day period in Ploaded Ti re 1 immediately nerth of pixs Rd, where it intersects McDermott Rd, in southern 1/2 of Section 31 and sw corner of section 32. County: Colusa Landowner / Mgr.: Cuad Name: Maxiff 7.5' Usus T 18 N R 3W 1/4 of 1/4 of section 31 T 18N R BW 1/4 of 1/4 of section 32 UTM: Zone: 10 (10, 11) Datum: (NAD83, NAD27, WG584, other) Source: Usus 7.5' Owl GPS, map & type, etc.) GPS Accuracy Point: (circle one) <80m <150m <300m UTM Coordinates	
Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope) birds observed foraging in same place for over 2 day period. habitat Consists of artificially flooded rice fields. Other rare species?	
Site Information Overall site quality: Excellent (Current / surrounding land use: rice farming, wheat Visible disturbances / possible threats:	□ Good □ Fair × Poor + farming
Determination: (check one or more, and fill in blanks) X Keyed (cite reference): Stokes field quick to birds, Wes	Photographs: (check one or more) Slide Print Plant / animal



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